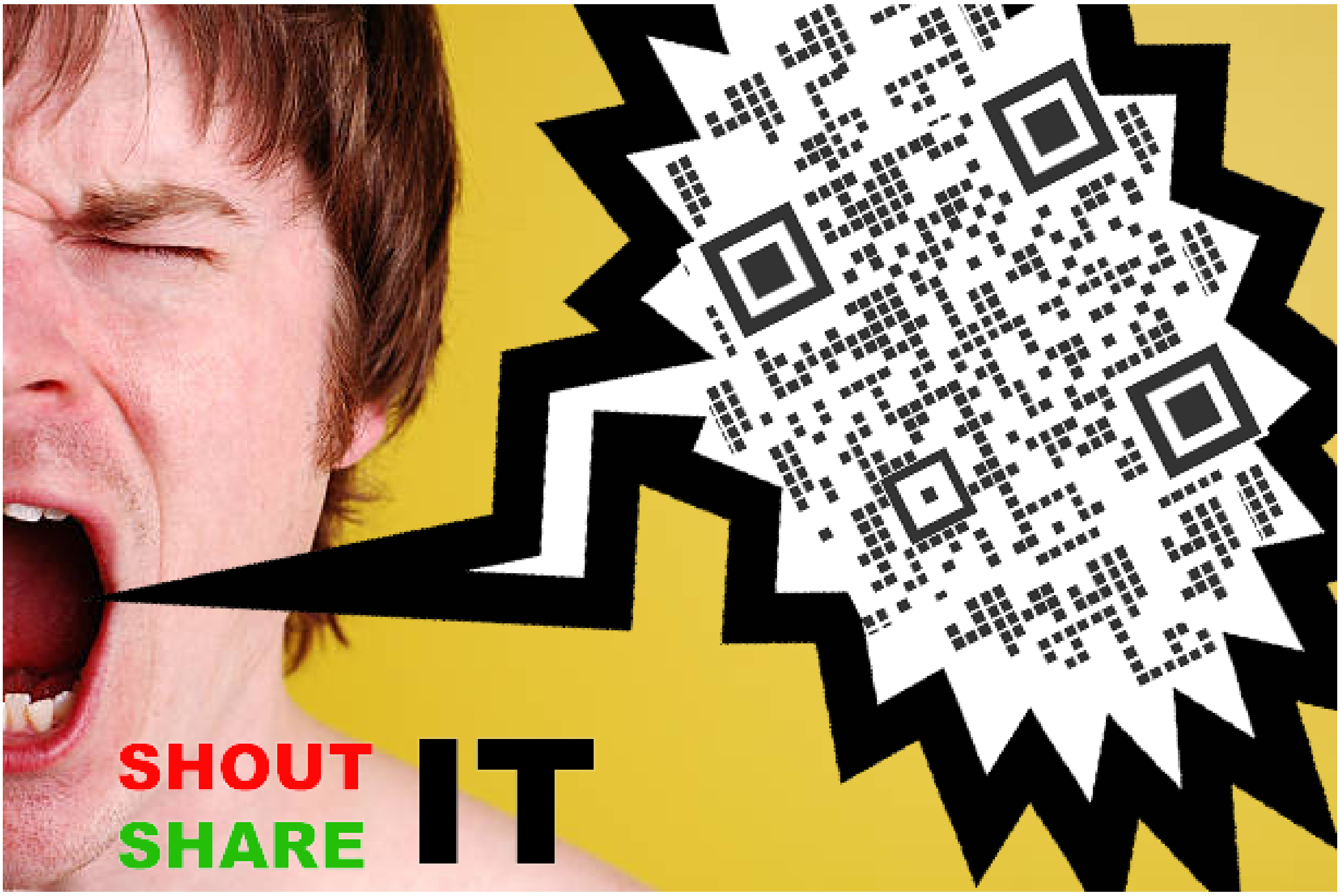
Historic, archived document

Do not assume content reflects current
scientific knowledge, policies, or practices.


SHOUT
SHARE
IT

UNITED STATES
DEPARTMENT OF AGRICULTURE
LIBRARY

1.9
BOOK NUMBER P69Lc
v.15,no.1-17
Reserve Jan.3-Aug.26.1933
319128

GPO 8—7671

1Lc

BOTANY
CURRENT LITERATURE

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY.
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D.C.

LIBRARY
RECEIVED
★ JAN 28 1933 ★
U. S. Department of Agriculture

Vol. 15 no. 1. Ja.3-14, 1933.

Administr. Rep. Dir. Agr. Trinidad & Tobago. (8T732)
Stell, F.
Mycologist's report, 1931. Administr. Rep. Dir. Agr. Trinidad & Tobago 1931: 54-57. 1932.
Wilt of coconuts, and witch broom of cacao.

Agr. et Elev. Congo Belge. (26Ag84)
Une plante textile peu connue au Congo. Agr. et Elev. Congo Belge 6: 108-109. D.17,1932.no.17.
Makole (mulembe), a malvaceous plant.

Agr. Gaz. N.S.W. (Syndney) (23N472)
Cross, D. O.
Aids in establishing the identity of Johnson grass and Sudan grass. Agr. Gaz. N.S.W. 43: 931-934. illus. D.1, 1932. no.12.

Macindoe, S.L.
Recording disease in crop plants. II. Cereal rusts. Agr. Gaz. N.S.W. 43: 895-897. illus. D.1, 1932. no.12.

Magee, C. J.
The occurrence of blackleg of potatoes in New South Wales. Agr. Gaz. N.S.W. 43: 886. D.1, 1932. no.12.

Poggendorff, W.
Flowering, pollination, and natural crossing in rice. Agr. Gaz. N.S.W. 43: 898-904. D.1, 1932. no.12.

Agr. Journ. Fiji (25F47Ag)
Simmonds, H. W.
Weeds in relation to agriculture. Agr. Journ. Fiji 5: 58-62. N.1932. no.2.

Agron. Colon. (Paris) (26Ag812)
Ledreux, A.
La culture des caféiers à Madagascar. (cont.) Agron. Colon. 21(2): 212-223. pl.ii. D.1932, no.180.

362186
agr
350-372

Alpe, Riv. For. Ital. (Piacenza)
Negri, G. & others.
La macchia mediterranea in Italia. Alpe Riv. For. Ital. 19: 377-466. illus. N./D. 1932. no.11/12.
Numero speciale dedicato agli elementi della macchia mediterranea in Italia.

Amer. Journ. Bot. (450Am36)
Cooper, D. C.
The anatomy and development of the floral organs of Buginvillaea glabra. Amer. Journ. Bot. 19: 814-822. illus., pl.lvi-lvii. D.1932. no.10.

Gore, U. R.
Development of the female gametophyte and embryo in cotton. Amer. Journ. Bot. 19: 795-807. pl.liv-lv. D.1932. no.10.

Gustafson, F. G.
Anaerobic respiration of cacti. Amer. Journ. Bot. 19: 823-834. D.1932. no.10.

Humphrey, L. M.
The chromosomes of Lycopersicum pimpinellifolium. Amer. Journ. Bot. 19: 812-813. illus. D. 1932. no.10.

Taubenhaus, J. J. & Ezekiel, W. N.
Sclerotinia wilt of greenhouse snapdragons. Amer. Journ. Bot. 19: 808-811. illus. D.1932. no.10.
S. sclerotiorum.

Amer. Mus. Nov. (N.Y.) (500N83N)
Berry, E. W.
Eocene plants from Wyoming. Amer. Mus. Nov. no.527. 13 p. illus. My.23, 1932.

Berry, E. W.
Fossil plants from Chubut territory collected by the Scarritt Patagonian expedition. Amer. Mus. Nov. no.536. 10 p. illus. Je,6,1932.

Anal. Inst. Biol. Univ. Nac. Mexico.(442.9M57)
Samano Bishop, A.
Chara tehuacanensis, Samano ad interim. Anal. Inst. Biol. Univ. Nac. Mexico. 3: 233-234. illus. 1932. no.3.

Anal. Inst. Biol. Univ. Nac. Mexico. (cont.)

Samano Bishop, A.

Pediastrum acantostephanos Samano. Anal. Inst. Biol. Univ. Nac. Mexico. 3: 235. illus. 1932. no.3.

Angew. Bot. (Berlin) (450An4)

Braun, K.

Acocanthera-arten als giftpflanzen. Angew. Bot. 14: 511-536. illus. N./D.1932. no.6.

Schilberszky, K.

Ueber die ursachen der apoplexie bei den steinobstbäumen. Angew. Bot. 14: 536-551. N./D. 1932. no.6.

Ann. R. Staz. Sper. Agr. Modena (105.4M721)

Draghetti, A.

Il decorse della malattia degli olmi nel modenese. Ann. R. Staz. Sper. Agr. Modena n.s.2: 300-304. 1932.

Draghetti, A.

Ricerche sull'assimilazione dell'azoto da parte delle piantine di frumento durante il periodo microtermico invernale. Ann. R. Staz. Sper. Agr. Modena n.s.2: 242-280. pl.xi-xiv. 1932.

Arch. Pflanzenb. (Wiss. Arch. Landw. Abt.A) (Berlin) (18W76)

Pöschl, V.

Die deutsche yuccafaser. Eine warenkindliche studie. Arch. Pflanzenb. (Wiss. Arch. Landw. Abt.A) 9: 573-608. illus. 1932. no.4.

Weinmann, H.

Untersuchungen über den einfluss des kaliumions auf entwicklung und aufbau von sommergerste (Hord. dist.nut.) Arch. Pflanzenb. (Wiss. Arch. Landw. Abt.A) 9: 525-572. 1932. no.4.

Beih. Bot. Centralbl. Abt.I. (Dresden) (450B65B)

Czurda, V.

Ueber einige grundbegriffe der sexualitätstheorie. Beih. Bot. Centralbl. Abt.I, 50: 196-210. illus. N.1932. no.1.

Iljin, W. S.

Zusammensetzung der salze in der pflanze auf verschiedenen standorten kalkpflanzen. Beih. Bot. Centralbl. Abt. I, 50: 95-137. N.1932. no.1.

Beih. Bot. Centralbl. Abt. I. (cont.)

Jaccard, P. & Jaag, O.

Photosynthese und photoperiodizität in kohlensäurereicher luft. Beih. Bot. Centralbl. Abt.I, 50: 150-195. illus. N.1932. no.1.

Lucksch, I.

Ernährungsphysiologische untersuchungen an chlamydomonadeen. Beih. Bot. Centralbl. Abt. I, 50: 64-94. illus. N.1932. no.1.

Malhotra, R. C.

Biochemical study of seeds during germination. I-III. Beih. Bot. Centralbl. Abt. I, 50: 1-7, 8-14, 15-19. illus. N.1932. no.1.

I. Periodic changes of reserve materials in normal germinating seeds. II. Periodic changes of reserve materials in embryo and endosperm of germinating corn. III. The distribution of some chemicals and energy in the previously isolated embryos during germination.

Meyer, F. J.

Beiträge zur anatomie der alismataceen. II. Die blattanatomie von Rautanenia schinzii Buchenau. Beih. Bot. Centralbl. Abt.I, 50: 54-63. illus. N.1932. no.1.

Oehm, G.

Beitrag zur kenntnis der blattanatomie und behaarung von Plantago media L., Pl. major L. und Pl. lanceolata L., mit besonderer berücksichtigung der unterscheidungsmöglichkeit der blätter auch in bruchstücken. Beih. Bot. Centralbl. Abt.I, 50: 20-43, illus. N.1932. no.1.

Pohl, F.

Untersuchungen zur morphologie und biologie des pollens. III. Herkunft der pollenklebstoffe und funktion der antherenhaare von Cucurbita pepo L. Beih. Bot.Centralbl. Abt. I, 50: 138-149. illus. N.1932. no.1.

Zohary, M.

Neue beiträge zur kenntnis der flora Palästinas. Beih. Bot. Centralbl. Abt. I, 50: 44-53. N.1932. no.1,.

Bot. Mag. Tokyo (450B651)

Emoto, Y.

Ueber zwei noch nicht in Japan bekannte myxomuceten. Bot. Mag. Tokyo 46: 593-596. illus. S.1932. no.549.

Barbeyella minutissima, Licea minima.

Japanese with German summary.

Bot. Mag. Tokyo (cont.)

Honda, M.

Nuntia ad floram Japoniae. XVIII. Bot. Mag. Tokyo 46: 633-638. O.1932. no.550.

Kosaka, H.

Ueber den einfluss des lichtes, der temperatur und des wassermangels auf die farbung der chrysanthemum-bluten. Bot. Mag. Tokyo 46: 551-560. S.1932. no.549.

Maekawa, F.

Alabastra diversa I. Bot. Mag. Tokyo 46: 561-586. illus. S.1932. no.549.

I. Species of Arisaema and Asarum, mainly new; Epimedium sempervirens, Polygonatum iyoense, Tovara smaragdina, n.spp.

Nakai, T.

Notulae ad plantes Japaniae et Koreae. XLII' Bot. Mag Tokyo 47: 603-632. O.1932. no.550.

Satake, Y.

Systematic and anatomical studies on the Japanese Juncaceae. (3). Bot. Mag. Tokyo 46: 639-650. illus. O.1932. no.550.

Takenouchi, M.

Observation on the teratological flowers and bracts of Viola obtusa Makino. Bot. Mag. Tokyo 46: 588-592. illus. S.1932. no.549.

Japanese.

Takenouchi, M.

On the new variety of Viola xanthopetala Nakai. Bot. Mag. Tokyo 46: 587. S.1932. no.549.

Var. Laciniata.

Japanese with Latin diagnosis.

Bot. Jahrb. Engl. (Leipzig) (450En3B)

Diels, L.

Beiträge zur kenntnis der melastomataceen ostasiens. Bot.Jahrb. Engl. 65: 97-119. D.1, 1932. no.2/3.

Espinosa, R.

Oekologische studien über Kordillerenpflanzen (morphologisch und anatomisch dargestellt). Bot. Jahrb. Engl. 65: 120-211. illus. D.1, 1932. no.2/3.

Bot. Jahrb. Engl. (cont.)

Krause, K.
Ueber die vegetationsverhältnisse des nordöstlichen Kleinasiens. Bot. Jahrb. Engl. 65: 349-379. D.1, 1932. no.2/3.

Kühn, F.
Miguel Lillo. Bot. Jahrb. Engl. 65: 380-381. D.1, 1932. no.2/3.

Papp, C.
Monographie der europäischen arten der gattung Melica L. Bot. Jahrb. Engl. 65: 275-348. illus. D.1, 1932. no.2/3.

Poellnitz, K. von
Anacampseros L. Versuch einer monographie. Bot. Jahrb. Engl. 65: 382-384. D.1, 1932. no.2/3.

Schwickerath, M.
Die vegetation der kalktriften (bromion-erecti-verband) des nördlichen Westdeutschlands. Bot. Jahrb. Engl. 65: 212-252. illus. tab. D.1, 1932. no.2/3.

Skottsberg, C.
Bemerkungen über die philydraceen. Bot. Jahrb. Engl. 65: 253-274. illus. D.1, 1932. no.2/3.

Bot. Tidsskr. (København) (450B654)

Bøcher, T.W.
Beiträge zur zytologie der gattung Anemone. Bot. Tiddskr. 42: 183-206. illus. 1932. no.2.

Porsild, M. P.
Lycopodium alpinum i Danmark? Bot, Tidsskr. 42: 209-210. 1932. no.2.

Wiinstedt, K.
Karplantevegetationen paa Laesø. Bot. Tidsskr. 42: 89-181. illus., map. 1932. no.2.

Bull. Inst. Agron. Stat. Rech. Gembloux (105.1G285)

Vanderwalle, R.
Contribution à l'etude des maladies charbonneuses de l'orge. Bull. Inst. Agron. Stat. Rech. Gembloux 1: 291-320. 4 pl. on 2. N.1932. no.4.
English summary: p.321-322.

Bull. Soc. Hist. Nat. Afr. Nord. (Alger) (410.9So125)
Sennen, frere
Seconde campagne botanique du Maroc en 1931. Bull. Soc. Hist. Nat. Afr. Nord 53: 257-276. N.1932. no.8.

Bull. Torr. Club. (451T63B)
Epling, C.
Asterohyptis: a newly proposed genus of Mexico and Central America. Bull. Torr. Club 60: 17-21. illus. Ja.1933. no.1.
A stellulata (Hyptis stellulata).

Johansen, D. A.
Studies on the morphology of the Onagraceae. VII. Gayophytum ramosissimum. Bull. Torr. Club. 60: 1-8. illus., pl. i. Ja.1933. no.1.

Levine, M.
Crown gall on sahuaro (Carnegiea gigantea). Bull. Torr. Club. 60: 9-16. pl.2-3. Ja.1933. no.1.

Moldenke, H. N.
Nomenclatural notes. Bull. Torr. Club 60: 55-59. Ja.1933. no.1.
Vitex tomentulosa n.sp.

Rice, M. A.
Reproduction in the rusts. Bull. Torr. Club 60: 23-54. pl.4-6. Ja.1933. no.1.

Butler Univ. Bot. Stud. (Indianapolis) (451B97)
Esten, M. M.
A statistical study of a beech-maple association at Turkey Run state park, Parke county, Indiana. Butler Univ. Bot. Stud. 2: 183-201. D.1932. no.16.

Lindsey, A. J.
The Merrillville white pine (Pinus strobus) bog, Lake county, Indiana. Butler Univ. Bot. Stud. 2: 167-178. D.1932. no.14.

Lindsey, A. J.
Preliminary fossil pollen analysis of the Merrillville, Indiana, white pine bog. Butler Univ. Bot. Stud. 2: 179-182. D.1932. no.15.

Cactus (Mont. St. Amand, Belg.) (450C112)
Backeberg, C.
Komt gijmede cactussen zamelen? Cactus (Mont St. Amand, Belg.) 2(6):6-9. illus., port. D.1932.

Canad. Field Nat. (Ottawa) (410.90t8)

Groh, H.

Some new plant records for Canada. Canad. Field Nat. 47: 10. Ja.1933. no.1.

Range in Canada of Oenothera cruciata. Lopseed [Phryma leptostachya] at its western limits. Plantago ramosa in Canada.

China Journ. (Shanghai) (475C44)

Porterfield, W. M.

Lawn and roadside plants of Shanghai. (cont.) China Journ. 17: 305-314. illus. D.1132. no.6.

Compt. Rend. Acad. Agr. France. (Paris) (14P215Bc)

Cadoret, A.

Les traitements contre le mildiou en 1932. Compt. Rend. Acad. Agr. France 18: 1146-1149. D.21, 1932. no.34.

Costantin, J.

Les curieux cas de variétés mosaiquées a cent pour cent. Compt. Rend. Acad. Agr. France 18: 1149-1155. D.21, 1932. no.34.

Viennot-Bourgin, G.

Les effets secondaires de la carie. - Dommages causés aux pailles et au feuillage. Compt. Rend. Acad. Agr. France 18: 1144-1146. D.21, 1932. no.34.

Compt. Rend. Acad. Sci. Paris (505P21)

Blaringhem, L.

Sur un cas d'atavisme apparu dans une lignée de pavot à opium. Compt. Rend. Acad. Sci. Paris 195: 1192-1195. D.19, 1932. no.25.

Papaver somniferum var. murselli.

Bourdouil, C.

Relation, chez les hybrides de Pisum, entre la synthèse de l'amidon et le poids des graines. Compt. Rend. Acad. Sci. Paris 195: 1317-1319. D.19, 1932. no.25.

Chaze, J.

Sur l'exsudation des alcaloides de Lupinus albus. Compt. Rend. Acad. Sci. Paris 195: 1315-1317. D.19, 1932. no.25.

Compt. Rend. Acad. Sci. Paris (cont.)

Chouard, P.
Diversité de types de plantules chez les ails (Allium) Compt. Rend. Acad. Sci. Paris 195: 1309-1311. illus. D.19, 1932. no.25.

Colin, H.
Sur la gelée de l'oeuf de Phallus impudicus. Compt. Rend. Acad. Sci. Paris 195: 1313-1315. D,19, 1932. no.25.

Fosse, R., Graeves, P. de & Thomas, P. E.
Un nouveau principe des végétaux: l'acide urique. (cont.) Compt. Rend. Acad. Sci. Paris 195: 1198-1200. D.19, 1932. no.25.

Franck, F. & Auger, D.
Analyse cinématographique des mouvements du protoplasme en rapport avec la variation électrique dans l'excitation chez Nitella. Compt. Rend. Acad. Sci. Paris 195: 1321-1322. D.19, 1932. no.25.

Gračanin, M.
La concentration des ions comme facteurs de la résorption. Compt. Rend. Acad. Sci. Paris 195: 1311-1313. D.19, 1932. no.25.

Jonesco, S.
Sur les mouvements et la croissance des pédoncules, floraux de l'Ipomoea purpurea. Compt. Rend. Acad. Sci. Paris 195: 1305-1307. D.19, 1932. no.25.

Lefèvre, M.
Sur la structure de la membrane des euglènes du groupe Spirogyra. Compt. Rend. Acad. Sci. Paris 195: 1308-1309. D.19, 1932. no.25.

Lemesle, R.
Nouvelles recherches sur le Scabiosa succisa L. attaqué par le Fusarium anthophilum (A.Br.) Wr. Compt. Rend. Acad. Sci. Paris 195: 1319-1321. illus. D.19, 1932. no.25.

Molliard, M.
Experiences permettant d'expliquer l'atténuation de la chlorophylle présentee par les plantes vertes parasites. Compt. Rend Acad. Sci. Paris 195: 1190-1192. D.19, 1932. no.25.

Compt. Rend. Soc. Biol. Paris (442.9P21)

Joyet-Lavergne, Ph.

A propos du pouvoir d'odydation du cytoplasme. Compt. Rend. Soc. Biol. Paris 111(39): 985-987. D.16, 1932. no.39.

Mazé, P. & Mazé, P. J.

Influence des fumures organiques sur l'infection du maïs par l'Ustilago maidis. Compt. Rend. Soc. Biol. Paris III(39): 835-837. D.16, 1932. no.39.

Moreau, F. & Moruzi, C.

Sur quelques aspects remarquables des cultures dispermes des ascomycètes du genre Neurospora. Compt. Rend. Soc. Biol. Paris 111 (39): 864-865. D.16, 1932. no.39.

Cytologia (Tokyo) (442.8C99)

Hasegawa, N.

Comparison of chromosome types in Disporum. Cytologia (Tokyo) 3: 350-368. illus. D.1932. no.4.

Kihara, H. & Lilienfeld, F.

Genomanalyse bei Triticum und Aegilops IV. Untersuchungen an Aegilops x Triticum- und Aegilops x Aegilops-bastarden. Cytologia (Tokyo) 3: 384-456. illus. D.1932. no.4.

Kostoff, D.

Pollen abortion in species hybrids. Cytologia (Tokyo) 3: 337-339. illus. D.1932. no.4.

Motte, J.

Recherches sur les spermatozoides végetaux. I. Sur le rhéotactisme des spermatozoides de filicinées. Cytologia (Tokyo) 3: 377-383. D.1932. no.4.

Desert (Pasadena) (450D45)

Barnhart, P. D.

Euphorbias. Desert (Pasadena) 4:99. Ja. 1933. no.9.

Difesa Piante Torino (464.9D56)

Voglino, Piero

La ruggine del frumento. Difesa Piante Torino 9(4): 53-55. Ag. 1932. no.4.

Doswiadczaln. Roln. (Exper. Agr.) Warszawa. (20.5D74)
Wojtysiak, A. & Poniatowska, H.
Przyczynek do poznania zachwaszczenia pszenicy ozimej w województwie Kieleckiem. (Ein beitrag zur kenntnis der unkrautbesatzung des weizens in der wojewodschaft Kielce). Doswiadczaln. Roln. (Exper.Agr.) Warszawa 8(1): 51-90. 1932. no.1.
German summary: p.89-90.

Ernähr. Pflanze (Berlin) (57.8Er6)
Fischer, R.
Versuche zur bekämpfung der blattranddürre der johannis- und stachelbeeren in Oesterreich. Ernähr. Pflanze 28: 440. D.15, 1932. no.24.

Farming So. Africa (Pretoria) (24So842)
Verwoerd, L.
Loose and covered smut in barley. Farming So. Africa 7: 402-403, 406. illus. D.1932. no.81.

Faserforsch. (Leipzig) (73.8F26)
Czapla, K.
Seltene erdmetalle im dienste der pflanzenaschendiagnostik. II. Aschenpraparation wichtiger pflanzlicher und tierischer rohstoffe der textilindustrie sowie daraus hergestellter gewebe mittels lösungen seltener erdmetalle. Faserforsch. 10: 20-42. illus., 1 pl. N.30, 1932. no.1.

Lüdtke, M.
Ueber einiger neue methoden der faserforschung. Faserforsch. 10: 43-58. illus. N.30, 1932. no.1.

Schneider, K.
Ueber einiger neue methoden der faserforschung. Faserforsch. 10: 59-62. N.30, 1932. no.1.
"Schlusswort zu der gleich betitelten erwiderung von M. Ludtke".

Florida Nat. (Daytona Beach) (413.9F66F)
Baker, M. F.
June on the Florida keys. Florida Nat. 6: 25-27. Ja.1933. no.2.

Flor. Rev. (Chicago) (80W41)
Latest developments in darkening mums told to scientists. Flor. Rev. 71(1832): 13-15. illus. Ja.5, 1932. no.1832.
Experiments carried on at Cornell University by Kenneth Post.

Gard. Chron. (London) (80G162)

Brown, N. E.

New Iridaceae. Gard. Chron. III, 92: 466-468. D.24, 1932. no.2400.

Babiana patula, B.angusta, Freesia muirii, Romulea setifolia, R.muirii, Gladiolus superans.

Bunyard, E. A.

Apple Orleans Reinette. Gard. Chron. III, 92: 486. illus. D.31, 1932. no.2401.

Comber, J.

A soboliferous rhododendron. [R.penakoense]. Gard. Chron. III, 92: 480. illus, D.31,1932. no.2401.

The fungus stone. Gard. Chron. III, 92: 475. D.31, 1932. no.2401.

Reference to an account of nature of fungus stones, formed by Polyporus tuberaster, given by Mr. J. Ramsbottom at a recent meeting of the Linneana Society.

Grove, A.

Hybrid lilies. VIII. Gard. Chron. III,92: 464-465. D.24,1932. no.2400.

Ingram, C.

Two Cape gladioli. Gard. Chron. III,92: 482. illus. D.31,1932. no.2401.

Smith, R. B.

Pentstemons at Carnla. (concl.) Gard. Chron. III, 92: 463. illus. D.24,1932. no.2400.

Ward, F. K.

Mr. F. Kingdon Ward's eleventh expedition in Asia. XIX. Gard. Chron. III,92: 465-466. illus. D.24,1932. no.2400.

Gard. Chron. Amer. (80G1632)

Ashlee, T. R.

Idaho wild flowers. Gard. Chron. Amer. 37: 19-20. illus. Ja.1933. no.1.

Higgins, E. B.

The Stapelia. Gard. Chron. Amer. 37: 13-14. illus. Ja.1933. no.1.

Gartenbauwiss. (Berlin) (80G195)

Freise, F. W.

Ueber beziehungenzwischen verschiedenen eigenschaften von obstbaumsamen und dem alter der stammpflanzen. Beobachtungen aus dem brasilianischen obstbau. Gartenbauwiss. 7: 196-201. D.5, 1932. no.2.

Oppenheim, J. D. & Rapoport, Z.

The amelioration of citrus rootstocks, I. The sweet lime. Gartenbauwiss. 7: 142-153. D.5, 1932. no.2.

Ruttle, M. L.

Chromosome number, embryology and inheritance in the genus Lycopus. Gartenbauwiss. 7: 154-177. illus. D.5, 1932. no.2.

Svolba, F.

Russtau und Prunus domestica. Gartenbauwiss. 7: 282 -292. illus. D.5, 1932. no.2.

Dematium pullulans.

Uphof, J. C. Th.

Wissenschaftliche beobachtungen und versuche an agrumen. IV. Der polygamische zustand einiger citrusarten. Gartenbauwiss. 7: 121-141. illus. D.5, 1932. no.2.

Gartenw. (Berlin) (80G196)

Herre, H.

Etwas über eine seltene sukkulente. Gartenw. 36: 724-725. illus. D.16, 1932. no.51.

Fockea capensis.

Pape, H.

Mosaikkrankheit an glieder-, blatt- und rutenkakteen. Gartenw. 36: 731-732. illus. D.23, 1932. no.52.

Gartenz. (Wien) (80W632)

Neuman, H.

Brennfleckenkrankheit der gurken und anderer kürbisgewächse (Gloeosporium lagenarium (Pass.) Sacc.) Gartenz. (Wien) 8: 179. illus. D.1932. no.12.

Genetics (442.8G28)

Sax, K. & Anderson, E.

Segmental interchange in chromosomes of Tradescantia. Genetics 18: 53-67. illus., pl.i. Ja.1933. no.1.

Hadar (Jaffa) (80H11)
Reichert, I.
A new root rot of citrus trees in Palestine. Hadar 5: 254-256. illus. N.1932. no.11.
... "Not exactly identified, although it obviously belongs to the group of Basidiomycetes".

Hoppe-Seyl. Zeitschr. Phys. Chem. (Berlin) (384Z38)
Suneson, S.
Beitrag zur frage von der jodverflüchtigung bei den laminariaarten. Hoppe-Seyl. Zeitschr. Phys. Chem. 213: 270-272. D.19, 1932. no.5/6.

Indian For. (Dehra Dun) (99.8In2)
Parker, R. N.
The genus Cymbopogon in north-west India. Indian For. 58: 687-689. D.1932. no.12.

Industr. & Engin. Chem. & Easton, Pa. (381J825)
Lindgren, R. M., Scheffer, T. C. & Chapman, A. D.
Tests of chemical treatments for control of sap stain and mold in southern lumber. Industr. & Engin. Chem. 25: 72-75. Ja.1933. no.1.

Iowa State Coll. Journ. Sci. (Ames, Ia.) (470Io9)
Brown, F.E. & Lewis, E. R.
The hydrolysis of pentosans from corn cobs. Iowa State Coll. Journ. Sci. 7: 29-33. illus. O.1932. no.1.

Clark, N. A.
Technique for the growth of Lemna under sterile conditions with controlled temperature and light. Iowa State Coll. Journ. Sci. 7: 13-16. illus. O.1932. no.1.

Martin, J. N.
Structure and content of the pollen of some Leguminosae. Iowa State Coll. Journ. Sci. 7: 43-56. illus. O.1932. no.1.

Peterson, C.J., Fang, E.H.C. & Hixon, R.M.
The partition of the constituents of the cornstalk by the action of alkali. Iowa State Coll. Journ. Sci. 7: 17-24. illus. O.1932. no.1.

Indian Journ. Agr. Sci. (Calcutta) (22Ag83I)
Dixit, P.D.
Studies in Indian pulses. [I-II]. Indian Journ. Agr. Sci. 2: 385-390. 391-408. pl.xli-xlviii (1 col.) Ag.1932.
[I] A note on the cytology of "Kabuli" and "Desi" gram types. [II] A case of gigantism in gram (Cicer arietinum)

Indian Journ. Agr. Sci. (cont.)
McRae, W.
Effect of mosaic on the tonnage and the juice of sugarcane in Pusa. II. Indian Journ. Agr. Sci. 2: 378-384. Ag.1932. no.4.

Shaw, F.J.F. & Ram, K.
Studies in Indian tobaccos. 7- The types of Nicotiana tabacum L. Indian Journ. Agr. Sci. 2: 345-357. pl.xxx-xxxv. Ag.1932. no.4.

Journ. Agr. Res. (Washington, D.C.) (1Ag84J)
King, C.J. & Hope, C.
Distribution of the cotton root-rot fungus in soil and in plant tissues in relation to control by disinfectants. Journ. Agr. Res. 45:725-740. illus. D.15,1932. (Recd Ja.13,1933) no.12.

Journ. Amer. Pharm. Assoc.(Easton, Pa.) (396.9Am33J)
Youngken, H. W.
Studies on commercial psyllium seeds. Journ. Amer. Pharm. Assoc. 21: 1265-1273. illus. D.1932. no.12.

Journ. Dept. Agr. Victoria (Melbourne) (23V66J)
Drake, F. R.
Perennial rye-grass. Strain investigation in Victoria. Journ. Dept. Agr. Victoria 30: 557-564. illus. D.1932. no.12.

Journ. For. (Washington,D.C.) (99.8F768)
Deuber, C. G.
Tree physiology. Journ. For. 30: 811-813. N.1932.no.7.

Righter, F. I.
Bisexual flowers among the pines. Journ. For. 30: 873. illus. N.1932. no.7.

Journ. For. Suisse (Berne) (99.8J82)
Barbey, A.
Les effets combinés de la bise, du soleil, de la gelée et de la neige sur les végétaux ligneux. Journ. For. Suisse 84: 5-9. illus. Ja.1933. no.1.

Journ. Indian Chem. Soc. (Calcutta) (385In27)
Krishna, S. & Ghose, T. P.
Actinodaphnine. An alkaloid from Actinodaphne hookeri, Meissn. Journ. Indian Chem. Soc. 9: 429-433. S./O. 1932. no.9/10.

Journ. N.Y. Bot. Gard. (89N48J)

Peckham, E.A.S.

Crocuses and how to use them. Journ. N.Y. Bot. Gard. 33: 261-268. illus. D.1932. no.396.

Small, J. K.

Asiatic immigrants in the botanical garden. II. Journ. N.Y. Bot. Gard. 33: 276-277. D.1932. no.396.

Lingnan Sci. Journ. (Canton, China) (22.5C16)

Metcalf, F. P.

Botanical notes on Fukien and southeast China. XV. Lingnan Sci. Journ. 11: 527-529. N.15, 1932. no.4.

Tu, C.

Notes on diseases of economic plants in South China. Lingnan Sci. Journ. 11: 489-504. pl.8-17. N.15, 1932. no.4.

Madroño. (San Francisco) (450M26)

Jepson, W.L.

The botanical explorers of California. VIII. William G.W. Harford, Thomas Bridges. Madroño 2: 83-88. port. Ja.1933. no.10.

Nelson, J. C.

On parenthetical citation. Madrono. 2: 81-83. Ja.1933. no.10.

Missouri Bot. Gard. Bull. (St. Louis) (89M69B)

Sharp, W.

A new Scytonema for Missouri. Missouri Bot. Gard. Bull. 20: 160. D.1932. no.10.

S. alatum.

Woodson, R.E. jr.

The most interesting tree in Missouri. Missouri Bot. Gard. Bull. 20: 145-149. pl.46-49. D.1932. no.10.

Taxodium distichum.

Mitt. Deut. Landw. Ges. (Berlin) (18D48M)

Moritz, O.

Die fusskrankheiten des weizens. Mitt. Deut. Landw. Ges. 47: 957-958. D.24, 1932. no.52.

Möller's Deut. Gärtn.-Zeit. (Erfurt) (80M73)

Kruepper, O.

Die wahre ursache des grossen ulmensterbens. Möller's Deut. Gärtn.-Zeit. 47: 428-429. D.21, 1932. no.36.

Nature (London) (472N21)

Butler, E. J.

Tropical plant diseases: their importance and control. Nature 130: 949-952. D.24, 1932. no.3295.

Naturwissensch. (Berlin) (474N213)

Stoll, A.

Ueber den chemischen verlauf der photosynthese. Naturwissensch. 20: 955-958. illus. D.16/23, 1932. no.51.

Wettstein, F. von

Bastardpolyploidie als artbildungsvorgang bei pflanzen. Naturwissensch. 20: 981-984. D.16/23,1932. no.51.

Nederl. Kruidk. Arch. (Amsterdam) (451N28)

Jansen, J.

Aspidium spinulosum SW. Nederl. Kruidk. Arch. 1932: 289-300. illus. no.2.

Jansen, P. & Wachter, W. H.

Grassen langs de Zuiderzeekust. (cont.) Nederl. Kruidk. Arch. 1932: 301-320. illus. no.2.

Kern, J. & Reichgelt, B.

Caricologische aanteekeningen. Nederl. Kruidk. Arch. 1932: 355-370. no.2.

Kloos, A. W. Jr.

Het geslacht Utricularia in Nederland. Nederl. Kruidk. Arch. 1932: 321-346. no.2.

Koopmans-Forstmann, D. & Koopmans, A. N.

De gramineeën van Frieslands zuidelik kustgebied. Nederl. Kruidk. Arch. 1932: 406-458. map. no.2.

Lütjeharms, W. J.

Beitraege zur pilzflora der Niederlande. I. Neue und seltene Hollaendische pilze. Nederl. Kruidk. Arch. 1932: 459-483. illus., 1 pl. no.2.

Nederl. Kruidk. Arch. (cont.)

Soest, J.L. van & De Wever, A.
Het geslacht Polygala in Nederland.
Nederl. Kruidk. Arch. 1932: 263-277. illus.
no.2.

Suringar, J. V.
Een afwijkende vorm van Rubus saxatilis L.
Nederl. Kruidk. Arch. 1932: 371-373. illus.
no.2.

Uittien, H.
Eenige plantengeografische opmerkingen over
de Veluwe. Nederl. Kruidk. Arch. 1932: 278-
288. maps. no.2.

Verdoorn, Fr.
Ueber einige neue Frullania-sammlungen.
Nederl. Kruidk. Arch. 1932: 484-500. no.2.
De frullaniaceis X.

New Phytol. (London) (450N42)

Butcher, R. W.
Notes on new and little-known algae from the
beds of rivers. New Phytol. 31: 289-309.
illus., pl.xii. D.20, 1932. no.5.
Sporotetras pyriformis, sp. et gen.nov.,
Sphaerobotrys fluviatilis sp. et gen.nov., Ulvella
frequens sp.nov.; Stigoeclonium falklandicum.
anglicum, S. farctum rivulare var. nov.

Dark, S.O.S.
Meiosis in diploid and triploid Hemerocallis.
New Phytol. 31: 310-320. illus. D.20, 1932. no.5.

Hawker, L. E.
Experiments on the perception of gravity by
roots. New Phytol. 31: 321-328. illus. D.20,
1932. no.5.

Iyengar, M. O. P.
Fritschiella, a new terrestrial member of the
Chaetophoraceae. New Phytol. 31: 329-335.
illus., pl.xiii. D.20, 1932. no.5.

Snow, R.
Growth-regulators in plants. New Phytol.
31: 336-353. illus. D.20, 1932. no.5.

Obst- u. Gemüseb. (Berlin) (80P7750)

Brucker, K. W.
Die schrotschusskrankheit des pfirsichs. Obst- u. Gemüseb. 78: 185-186. illus. D.15, 1932. no.12.

Buckinger, A.
Weitere ergebnisse der selektion nach der saugkraft bei einigen gemüsearten. Obst- u. Gemüseb. 78: 179-183. illus. D.15, 1932. no.12.

Trenkle, R.
Ursache und bekämpfung der kräuselkrankheit der pfirsche. Obst- u. Gemüseb. 78: 186. illus. D.15, 1932. no.12.

Pamph. Canada Dept. Agr. (7C16Pa)

Güssow, H. T.
The stem eelworm (Tylenchus dipsaci (Kühn) Bastian) of narcissi. Pamph. Canada Dept. Agr. n.s., no.144. 11 p. illus. 1932.
Studies in diseases of ornamental plants, II.

Pflanzenbau (Berlin) (18P48)

Schander, R.
Beiträge zur atmung der kartoffelknolle. III. Einfluss mechanischer und chemischer reizung. Pflanzenbau 9: 161-177. 1932. no.5.

Ullmann, W.
Die züchtung der gräser ausserhalb des Deutschen Reiches. Pflanzenbau 9: 177-189. 1932. no.5.

Pharm. Weekbl. (Amsterdam) (396.8P4922)

Goester, L. E.
De herkomst en het ontstaan der cultuurplanten. Pharm. Weekbl. 69: 1105-1124. 2 pl. O.1, 1932. no.4.

Philipp. Agr. (Los Banos) (25P542)

Celino, M. S.
A fungous disease of the coconut leaf miner (Promecotheca cumingii Baly) Philipp. Agr. 21: 481-490. illus. D.1932. no.7.
Beauveria bassiana.

Juliano, J. B. & Cuevas, N. L.
Floral morphology of the mango (Mangifera indica Linn.) with special reference to the Pico variety from the Philippines. Philipp. Agr. 21: 449-467. 5 pl. on 3. D.1932. no.7.

Poona Agr. Coll. Mag. (22P79)
Majmudar, V. M.
Inheritance of anther colour in rabi jowars (Andropogon sorghum) as studies from a natural cross. Poona Agr. Coll. Mag. 24: 23-25. D.1932. no.3.

Prace Wydz. Chor. Rośl. Państw. Inst. Nauk. Gosp. Wiejsk. Bydgoszczy (464.9B99)
Garbowski, L.
Współczesny stan badań nad rdzami zbożowemi (l'état actuel des investigations concernant les rouilles des céréales). Prace Wydz. Chor. Rośl. Państw. Inst. Nauk. Gosp. Wiejsk. Bydgoszczy) 12: 25-88. 1932.
Polish with brief French summary.

Prakt. Blätt. Pflanzenb. u. Pflanzensch. (Freising) (464.8P88)
Böning, K.
Das schwarzwerden der rettiche. Prakt. Blätt. Pflanzenb. u. Pflanzensch. 32: 205-210. illus. D.-Ja.1932-33. [1932] no.9/10.

Gentner, G.
Schädigung der keimwürzeln von roggen und weizen durch fussariumbefall. Prakt. Blätt. Pflanzenb. u. Pflanzensch. 32: 219-222. illus. D.-Ja.1932-33. [1932] no.9/10.

Progr. Agr. & Vitic. (Montpellier) (14P94)
Cellier, E.
Les traitements du mildiou en Haute-Garonne. Progr. Agr. & Vitic. 98: 572-574. D.11, 1932. no.50.

Vidal, J. L.
Irrégularités de développement du mildiou en Charente. Progr. Agr. & Vitic. 98: 570-572. D.11, 1932. no.50.

Publ. Fac. Sci. Univ. Masaryk (Brno)
Sirjaev, G.
Generis Trigonella revisio critica. V. Publ. Fac. Sci. Univ. Masaryk. no.148. 43 p. illus., pl.xi-xii. 1932.

Queensl. Agr. Journ. (Brisbane) (23Q33)
Bell, A. F.
Banded (sectional) chlorosis. Associated with tangle top and death of sugar-cane. Queensl. Agr. Journ. 38: 476-483. illus. D.1,1932. no.6.

Queensl. Agr. Journ. (cont.)
Morwood, R. B.
Rust in wheat. Queensl. Agr. Journ. 38: 484-487. D.1, 1932. no.6.

Queensl. Nat. (Brisbane) (410Q3)
White, C. T.
The eucalyptus or gum trees of the Brisbane district. (cont.) Queensl. Nat. 8: 52-54. ii. pl. on 1. N.1932.
Eucalyptus malanophloia, E. siderophloia.

Repert. Spec. Nov. Beih. (Dahlem bei Berlin) (450R29B)
Peter, A.
Flora von Deutsch-Ostafrika. (cont.) Repert. Spec. Nov. Beih. v.40, pt.2. lfg. 2. p.145-224. pl.20-40. N.1,1932.
Includes Plantarum novarum Africae orientalis, p.17-32.

Repert. Spec. Nov. Fedde Sonderbeih. (450R29S)
Keller, G.
Monographie und iconographie der orchideen Europas und des mittelmeergebietes. Kritische monographie, enthaltend photographische bilder der arten und unterarten, rassen, varietäten, formen und bastarde. Repert. Spec. Nov. Fedde Sonderbeih. A, v.3 no. 7/8. pl.49-64. 1932.

Rep. Mysore Agr. Dept. (22M99R)
Narasimhan, M. J.
Report of work done in the Mycological section during 1930-31. Rep. Mysore Agr. Dept. 1930/31: 24-27. 1932.

Rev. Agr. Afrique Nord. (80R326)
Chrestian, J.
Le phoma de la vigne. Rev. Agr. Afrique Nord 30: 794-797, 806-816. illus. D.9,16, 1932. no.697-698.

Rev. Gén. Bot. (Paris) (450R326)
Pontillon, C.
Contribution à l'étude physiologique des lipides du Sterigmatocystis nigra. (cont.) Rev. Gen. Bot. 44: 465-483. N.1932. no.527.

Py, G.
Recherches cytologiques sur l'assise nourricière des microspores et les microspores des plantes vasculaires (concl.) Rev. Gen. Bot. 44: 484-512. N.1932. no.527.

Rev. Hort. (Paris) (80R32)

Ganteau, G.

Des arbustes peu connus les Enkianthus. Rev. Hort. 104: 279-280. illus. D.16,1932. no.12.

Jahandiez, E.

Les plantes grasses autres que les cactées, les Euphorbes cactiformes. Rev. Hort. 104: 286-287. D.16, 1932. no.12.

Marcel, M.

A propos de la culture du champignon de couche. Rev. Hort. 104: 284-285. D.16, 1932. no.12.

Rev. Path. Vég. & Entom. Agr. (Paris) (464.9Sol)

Guyot, A. L.

Au sujet du mode d'hivernation de certaines urédinées parasites des graminées. Rev. Path. Vég. & Entom. Agr. 19: 186-190. Je./Jl.1932. (Rec'd Ja.1933) no.6/7.

Guyot, A. L.

De l'évolution du piétin des céréales en rapport avec certains facteurs météorologiques. Rev. Path. Vég. & Entom. Agr. 19: 215-228. tab. Je./Jl.1932 (Rec'd Ja.1933) no.6/7.

Nicolas, G. & Aggery, Mlle.

Une maladie du laurier-cerise en Suisse. Rev. Path. Vég. & Entom. Agr. 19: 174-176. pl.vi. Ap./My. 1932. (Rec'd Ja. 1933) no.4.

Bacterial with Heterosporium sp.

Petit, A.

Expériences préliminaires sur le traitement des rouilles du blé. Rev. Path. Vég. & Entom. Agr. 19: 202-207. Je./Jl. 1932 (Rec'd Ja.1933) no.6/7.

Petit, A.

Nouvelles observations sur le traitement de la carie du blé (Tilletia levis Kühn), du charbon de l'orge (Ustilago hordei Persoon, Kellermann et Swingle) et du charbon de l'avoine (Ustilago avenae Persoon, Kellermann et Swingle) Rev. Path. Vég. & Entom. Agr.) 19: 208-213. Je./Jl.1932 (Rec'd Ja. 1933) no.6/7.

Rivier, A.

...Peronoplasmopara humuli Miya. et Tak. Rev. Path. Vég. & Entom. Agr. 19: 168-169. Ap./My. 1932 (Rec'd Ja.1933) no.4.

Rev. Path. Veg. & Entom. Agr. (cont.)

Rivier, A.

Quelques notations des rouilles du blé. Rev. Path. Veg. & Entom. Agr. 19: 191-201. Je./Jl. 1932 (Rec'd Ja.1933) no.6/7.

Rev. Zool. et Bot. Afr. (410R326)

Vanderijst, H.

Notes sur les principales graminées du Congo Belge. II. Les Andropogoneae. Rev. Zool. et Bot. Afr. 22: 305-319. D.20, 1932. no.3.

Rhodora (Boston) (450R34)

Fernald, M. L.

Diarrhena festucoides again. Rhodora 35: 39-40. Ja.1933. no.409.

Fernald, M. L.

Recent discoveries in the Newfoundland flora. I. Journal of 1926 and 1929. Rhodora 35: 1-16. illus. Ja.1933. no.409.

Sanford, S. N. F.

Ficus carica in Massachusetts. Rhodora 35: 40. Ja.1933. no.409.

Upham, A. W.

Desmodium glabellum in northeastern Connecticut. Rhodora 35: 38-39. Ja.1933. no.409.

Wiegand, K. M.

Aster paniculatus and some of its relatives. Rhodora 35: 16-38. Ja.1933. no.409.

Riv. Ital. Essen. e Profumi (Milano)

Rovesti, P.

Per la protezione e valorizzazione della nostra flora officinale. Riv. Ital. Essen. e Profumi 14: 357-303. illus. D.15, 1932. no.12.

Pistacia lentiscus.

Roczn. Nauk. Rolnicz. i Leśn. (Polish Agr. & For. Ann.) (Poznan.) (20.5R59)

Swerderski, W.

O zanieczyszczaniu nasion koniczyny czerwonej przetrwalnikami Sclerotinia trifoliorum Eriks. (Sur l'infection de la Sclerotinia trifoliorum Eriks. discomycete nuisible dans sa forme larvee aux semences du trefle). Roczn. Nauk. Rolnicz. i Lesn. (Polish Agr. & For. Ann.) 28: 443-446. 1932. no.3.

Not Sclerotinia but Typhula trifolii. (Correction of article in this journal 11:266-271. 1924)

Sbornik Českoslov. Akad. Zeměd. (Praha) (19.5C332C)

Klika, J.

Lesy v xerothermni oblasti Čech. (Wälder im xerothermen gebiete Böhmens. (Ein beitrag zur typologie der walder in ČSR. Eine soziologische studie). Sbornik Českoslov. Akad. Zemed. 7: 321-359. illus. 1932.

German summary: p.355-359.

Science (470Sci2)

Growth of plants stimulated by x-rays. Science 77: 10. Ja.6, 1933. no.1984.

Summary of report of experiments of Charles A. Shull given before meeting of Amer. Soc. Plant Physiologists at Atlantic City. [1932]

Moore, E. J.

The use of phenosafranin for staining fungi on culture media or in host tissue. Science 77: 23-24. Ja.6, 1933. no.1984.

Takahashi, W. N. & Rawlins, T. E.

Rod-shaped particles in tobacco mosaic virus demonstrated by stream double refraction. Science 77: 26-27. illus. Ja.6, 1933. no.1984.

Sci. Rep. Tohoku Imp. Univ. 4.Ser. (Biol.) (Sendai) (513T574Ab)

Jimbo, T.

On the daily fluctuation of the osmotic value in plants. II. Sci. Rep. Tohoku Imp. Univ., 4. Ser.(Biol.) 7: 499-510. illus. N.1932. no.4.

Miura, K.

On the curvature of the culm of Sasa kurilensis Sci. Rep. Tohoku Imp. Univ. 4. Ser. (Biol.) 7: 529-542. illus. N.1932. no.4.

Sinensia Contr. Metrop. Mus. Nat. Hist. Nanking. (410.9Si62)

Handel-Mazzetti, H.

Plantae novae chingianae, II. Sinensia Contr. Metrop. Mus. Nat. Hist. Nanking 2: 123-132. 1 pl. Ap./My. 1932. no.10/11.

Chingithamnaceae fam. nova., Chingithamnus osmanthoides gen.nov. et sp.nova.

Handle-Mazzetti, H.

Plantae novae tsiangianae. I- Sinensia. Contr. Metrop. Mus. Nat. Hist. Nanking 2:133-135. Ap./My.1932. no. 10/11.

Sitzungsb. Naturh. Ver. Preuss. Rheinl. u. Westf. (Bonn)
(509B64S)

Ade, A. & Schmacher, A.
Neue Rubus-formen aus dem Bergischen. Sitzungsb. Naturh. Ver. Preuss. Rheinl. u. Westf. 1930/31(D): 15-20. 1932.

Höppner, H.
Die formen der Lobelia dortmanna L. Sitzungsb. Naturh. Ver. Preuss. Rheinl. u. Westf. 1930/31(D): 34-35. 1932.

Jonas, F.
Ein atlantisches uebergangsmoor (heidemoor) im Emslande. Sitzungsb. Naturh. Ver. Preuss. Rheinl. u. Westf. 1930/31(D): 1-14. 1932.

Loeske, L.
Ueber wasserformen einiger laubmoose. Stizungsb. Naturh. Ver. Preuss. Rheinl. 1930/31 (D): 31-33. 1932.

Stierwaldt, K.
Einige seltene uredineen der Rheinprovinz (Beobachtungen der jahre 1928-31). Sitzungsb. Naturh. Ver. Preuss. Rheinl. u. Westf. 1930/1931 (D): 25-27. 1932.

Soil Sci. (Baltimore) (56.8So3)

Hagan, H. R.
Comparisons in the distribution of nematode galls on the roots of pineapple varieties attacked by the nematode Heterodera radicicola (Greef) Müller. Soil Sci. 35: 29-42. Ja. 1933. no.1.

Potapov, A. I.
Soil acidity as a phytopedological factor. Soil Sci. 35: 55-73. Ja.1933. no.1.
Translated from Russian by U. G. Andronikov.

So. African Gard. (Johannesburg) (80So87)

Bolus, L.
Plants new or noteworthy. South African plants cultivated in our readers' gardens (cont.) So. African Gard. 22: 330-331. illus. D.1932. no.12.
Rimaria heathii, var.major, var.elevata.

Edible wild fruits of the Transvaal. So. African Gard. 22: 322. D.1932. no.12.

So. Afr. Journ. Sci. (Johannesburg)

Byl, P.A. van der

Oor enige Suid-Afrikaanse Clavaria-soorte of knotsswamme. So. Afr. Journ. Sci. 29: 317-323. pl.iii. O.1932.

Gyde, L. M.

Some observations on the genus Hemileia. So. Afr. Journ. Sci. 29: 296-300. illus. O.1932.

Hector, J. M.

A re-grouping of cultivated barleys with suggestions on the classification of cultivated plants. So. Afr. Journ. Sci. 29: 332-337. O. 1932.

Smith, N.J.G. & Putterill, K.M.

Pycnidia produced by Helminthosporium parasites of cereals and wild grasses. So. Afr. Journ. Sci. 29: 286-295. illus. O.1932.

Verwoerd, L. & Du Plessis, S. J.

Descriptions of some new species of South African fungi and of species not previously recorded from South Africa - IV. So. Afr. Journ. Sci. 29: 313-316. O.1932.

Wager, V. A.

Aster wilt in South Africa. So. Afr. Journ. Sci. 29: 301-312. O.1932.

Stain Techn. (442.8St1)

Conn, H. J.

The history of staining. Stain Techn. 8: 4-8. ports. Ja.1933. no.1.

Sir John Hill 1716?-1775; Rudolf Heidenhain 1834-1897.

Tectona (Buitenzorg) (99.8B65)

Endert, F. H.

Be beteekenis van Bruinsmia voor het boomflora-onderzoek in Nederlandsch Indië. Tectona 25: 1510-1515. 1 pl. N. 1932. no.11.

Trans. Tottori Soc. Agr. Sci. (513T64)

Endo, S.

On Cercospora circimscissa Sacc. pathogenic on the leaves of Prunus mume S. et Z. Trans. Tottori Soc. Agr. Sci. 2: 249-252. D.1, 1931. no.3.

Trans. Tottori Soc. Agr. Sci. (cont.)

Hiratsuka, N.

Zweiter beitrag zur uredineen-flora von Süd-sachalin. Trans. Tottori Soc. Agr. Sci. 2: 233-246. D.1, 1931. no.3.

Puccinia miyakeanum, n. sp.

Hiratsuka, N.

Eine neue Pucciniastrum-art auf Stewartia pseudo-camellia. Trans. Tottori Soc. Agr. Sci. 2: 247-248. illus. D.1, 1931. no.3.

P. yoshinagai.

Hiratsuka, N. & Uemura, Y.

On Japanese species of Hyalopsora. Trans. Tottori Soc. Agr. Sci. 4: 11-27. illus. Je.10, 1932. no.1.

Japanese with Latin diagnosis of new species H.yamadana, H. hakodatensis, H. aculeata)

Hiratsuka, N.

Studies on the Uredinales of Mt.Daisen. Trans. Tottori Soc. Agr. Sci. 4: 28-49. illus., fold.tab. Je.10, 1932. no.1.

Japanese with Latin diagnosis of n.sp. (Puccinia daisenensis)

Hiratsuka, N. & Yoshida, Y.

Two species of Milesina on some Japanese species of Polystichum. Trans. Tottori Soc. Agr. Sci. 4: 7-10. Je.10, 1932. no.1.

M. exigua (n.sp.) M. vobesiaca Syd.

Japanese with Latin diagnosis of new species.

Tropenpfl. (Berlin (26T75)

Hoyer, F.

Die auswertungsmoglichkeit tropischer und subtropischer kultur- und wildpflanzen fur papiertechnische zwecke. Tropenpfl. 35: 499-513. D.1932. no.12.

Trop. Agriculture West Indies (Trinidad) (26T754)

Cheesman, E. E.

Mutant types of the dwarf banana. Trop. Agriculture West Indies. 10: 4-5. illus. Ja.1933. no.1.

Hardy, F.

Auximone nutrition. Do plant growth-promoting substances occur in soil organic matter and organic manures? Trop. Agriculture West Indies 10: 18-21. Ja.1933. no.1.

Trop. Agriculture West Indies (cont.)
Wardlaw, C. W.
Banana diseases. V. Fusarium top-rot of immature Cavendish fruits. Trop. Agriculture West Indies 10: 6. illus. Ja.1933. no.1.

Trudy Bot. Muz. Akad. Nauk SSSR (Leningrad) (451Sa25)
Busch, E. A.
Novyĭ vid roda Veronica L. iz Îugo-osetii (Zakavkaz'e) (Une espèce nouvelle du genre Veronica L., provenant de l'Ossetie meridionale (Transcaucasie). Trudy Bot. Muz. Akad. Nauk SSSR 24: 23-25. illus. 1932.
Russian with Latin diagnosis (V. schistosa)

Busch, N.A. & Busch, E. A.
K botanicheskoĭ karte Balkarii i Digorii (Carte botanique de la Balkarie et de la Digorie). Trudy Bot. Muz. Akad. Nauk SSSR 24:1-21. illus. 1932.
Russian with German summary.
Eine kurze skizze der vegetation.

Busch, N. A.
Sredneaziatskiĭ vid Isatis na Apscherone (Une espèce mesoasiatique du genre Isatis, trouvée sur la peninsule d'Apcheron). Trudy Bot. Muz. Akad. Nauk SSSR 24: 27-29. illus. 1932.
Russian with Latin diagnosis (I.apscheronica)

Gorodkov, B. N.
Listvennye mkhi (Bryinae) vostochnogo sklona poliârnogo Urala (Les mousses feuillacées (Bryinae) du versant oriental de l'Oural polaire). Trudy Bot. Muz. Akad. Nauk SSSR 24: 43-62. illus. 1932.
Russian with German summary.
Brachythecium uralense n. sp. (Latin diagnosis)

Sambuk, F. V.
Pechorskie lesa (Les forêts de la Pétchora). Trudy Bot. Muz. Akad. Nauk SSSR 24: 63-250. illus. (maps) 12 pl. 1932.
Russian with German summary.

Trudy Bot. Muz. Akad. Nauk SSSR (cont.)

Shishkin, B.

K sistematike Sredne-aziatskikh predstaviteleĭ sem. Caryophyllaceae (De quibusdam plantis novis Asiae mediae e familia Caryophyllaceae). Trudy Bot. Muz. Akad. Nauk SSSR 24: 31-41. illus. 1932.

Russian with Latin diagnosis of new species. (Stellaria turkestanica, Arenaria ferganica, A. litwinowii, Gypsophila krascheninnikovii, G. turkestanica, Acanthophyllum korshinskyi, Allochrusa tadshikistanica n.spp. & Gypsophila diffusa Fisch. et Mey. (descr.nobis)

Tolmachev, A. I.

K poznanii͡u evraziatskikh Melandruym sektsii Wahlbergella (Contribution à la connaissance des Melandryum, sec. Wahlbergella, de l'Eurasie). Trudy Bot. Muz. Akad. Nauk SSSR 24: 261-267. illus. (incl.maps) 1932.

Russian with Latin diagnosis of new sp. (M. gracile, M. taimyrense, M. baicalense) & subssp. M. affine tenellum.

Tolmachev, A. I.

Materialy dli͡a flory raĭona poli͡arnoĭ geofizicheskoĭ observatorii Matochkii Shar. i sopredel'nykh chasteĭ Novoi Zemli (Materiaux pour une flore de la région de l'Observatoire polaire geophysique du Matotchkin Schar et des parties avoisinantes de la Novaia Zemlia). Trudy Bot. Muz. Akad. Nauk SSSR 24: 275-299. illus. (incl.map) 1932.

Russian.

Tolmachev, A. I.

Novye restenii͡a Taimyrskoĭ flory (Plantes nouvelles de la peninsule de Taimyr) Trudy Bot. Muz. Akad. Nauk SSSR 24: 269-273. illus. 1932.

Russian with Latin diagnosis (Papaver pulvinatum Draba parvisiliquosa, Draba pohlei)

Vict. Nat. (Melbourne) (410V66)

Audas, J. W.

A botanist in the Blue Mountains. Vict. Nat. 49: 200-202. D.1932. no.8.

Coleman, E.

A new Victorian Prasophyllum. Vict. Nat. 49: 195. pl.iv. D.1932. no.8.

Prasophyllum pyriforme.

Vict. Nat. (cont.)

Coleman, E.
Pollination of Diuris pedunculata R.Br.
Vict. Nat. 49: 179-186. illus., pl.xiii.
D.1932. no.8.

Pescott, E. E.
Australian orchidology. Vict. Nat. 49:
196-199. port. D.1932. no.8.
Account of R.S. Rogers, also includes note
on Miss Rosa Fiveash, botanical artist.

Rupp, H.M.R.
Plant life in the Pilliga Scrub. Vict.
Nat. 49: 187-190. illus. D.1932. no.8.
Great plain that stretches 60 miles from Warrumbungle Range to Namoi River.

Zentralbl. Bakt. Abt.II. (Jena) (448.3C33)

Conn, H. J.
The Cholodny technic for the microscopic study
of the soil microflora. Zentralbl. Bakt. Abt.II.
87: 233-239. illus. D.12, 1932. no.9/12.

Meer, J.H.H. van der
A study of the virus from the apparently healthy
potato variety Green Mountain. Zentralbl. Bakt.
Abt.II. 87: 240-262. illus. D.12, 1932. no.9/12.

Palm, B. T.
Algae as additional hosts of pathogens to angiosperms. Zentralbl. Bakt. Abt.II. 87: 229-233.
D.12, 1932. no.9/12.

Der Züchter (Berlin) (442.8Z8)

Hackbarth, J.
Zur genetik von Zea mays(Sammelreferat).
Der Züchter 4: 290-302. illus. D.1932. no.12.

Herzfeld-Wuesthoff, F.
Patenfähigkeit landwirtschaftlicher kulturfahren. Der Züchter 4: 302-304. D.1932. no.12.

Savelli, R.
Studien über den ferrarischen hanf. Der
Züchter 4: 286-290. illus. D.1932. no.12.

Ufer, M.
Beiträge zur blütenbiologie der luzerne. Der
Züchter 4: 281-286. D.1932. no.12.

Exper. Stat. Publ.

Durrell, L.W. & Glover, G.H.
Poisonous plants of Colorado. Colorado Agr. Exp. Stat. Bull. 316. revised. 35 p. illus. S.1931 (Recd Ja.1933) (100C71S)

Durrell, L. W.
Report of the botanist. Ann. Rep. Colorado Agr. Exp. Stat. 45(1931/32): 27-31. 1932.(100C71S)

Illinois agricultural experiment station
Horticulture. In its Ann. Rep. 45(1931/2) 189-227. illus. 1932 (100I16S)
Includes notes on plant diseases.

Fiske, J. G.
Some poisonous plants of New Jersey. New Jersey Agr. Exp. Stat. Circ. 261. 30 p. illus. O. 1932. (100N46S)

Tiedjens, V. A. & Blake, M.A.
Factors affecting the use of nitrate and ammonium nitrogen by apple trees. New Jersey Agr. Exp. Stat. Bull. 547. 32 p. illus. N.1932. (100N46S)

Hoefle, O.M.
Week seeds found in vegetable seeds. New York Agr. Exp. Stat. Bull. 616. 15 p. N.1932 (100N48)

Horsfall, J. G.
Red oxide of copper as a dust fungicide for combating damping-off by seed treatment. New York Agr. Exp. Stat. Bull. 615. 26 p. illus. N.1932 (100N48)

State publications.

Bodine, E. W. & Durrell, L. W.
Purple blotch of onions. Colorado Agr. Ext. Serv. Circ. 119-A. [4] p. illus. D.1931 (Recd Ja.1933) (275.29C71C)

Parks, T.H. & Pierstorff, A.L.
The control of garden insects and diseases. Ohio Agr. Ext. Serv. Bull. 76. 48 p. illus. Ja. 1932. (275.29Oh32)

New Books.

Frey, E.
Cladoniaceae (unter ausschluss der gattung Cladonia) und Umbilicariaceae. lfg. 1. illus. Leipzig, 1932(Dr.L. Rabenhorst's Krytpogamen-flora von Deutschland, Oesterreich und der Schweiz IX bd. abt.IV/1) (461R11)

New Books. (cont.)

Heidenhain, M.
Die spaltungsgesetze der blätter. Jena, G. Fischer, 1932. (463.4H364)

Klein, G.
Handbuch der pflanzenanalyse. 3. bd., Spezielle analyse. 2. teil, Organische stoffe II, 1.-2. hälfte. Wien, J. Springer, 1932 (463.2V672)

Das pflanzenreich... hrsg. von A. Engler, fortgesetzt von L. Diels. h.98d.(IV,165). Sapindaceae IV, von L. Radlkofer. Leipzig, W. Engelmann, N.15,1932. (452En3P)

Pittier, H.
Clasificación natural de las plantas con especial mencion de las familias mas importantes de la flora de Venezuela y de las especies de interes economico. Caracas, Tipografía americana, 1932. (457.4P68Cl)

Reinders, E.
Plantenamatomie handleiding. Wageningen, Ponsen & Looijen, 1931. (463.4R273)

Tai, F. L.
Collections of fungi in China by foreign explorers. [n.p.] 1932. (Pamphl. 462T)
Reprinted from Nanking Journal v.1, p.537-548. 1932.

Tai, F. L.
Notes on Chinese fungi. I- [n.p.] 1932. (Pampl.462T).
Reprinted from Nanking Journal v.2, p.171-179. 1932.

Zinserling, G. D.
Geografii͡a rastitel'nogo pokrova severo-zapada Evropeĭskoĭ chasti SSSR (Die geographie der vegetationsdecke des norwestens des Europäischen teils der U.d.S.S.R.) Leningrad, Izdatel'stvo Akademii nauk SSSR, 1932. (459.2T78)
Russian with German summary.

Reprints from Journals not yet rec'd or not available.

Atanasov, D.
Sharka po slivitiê, edna nova virusna bolest (Plum pox, a new virus disease). ? Preprinted from Ann. Univ. Sofia V. Fac. Agron. 11: 49-70. illus. [1932]

Reprints. (cont.)

Atanasov, D.
Zagivaneto na briesta, Ceratostomella ulmi (Schwarz) Buisman, Graphium ulmi Schwarz (The Dutch elm disease in Bulgaria) ?Preprinted from Ann. Univ. Sofia V. Fac. Agron. 11: 71-86. illus. [1932]

Translations filed in Library of Bureau of Plant Industry.

Agete, F.
Nuevas variedades de aguacates... (New varieties of avocados in the Agricultural experiment station. Santiago de las Vegas, Cuba.) Rev. Agr., Com. y Trab. Cuba 11, i.e. 12(11): 14-17. My.1931.

Bates, M.
El aguacate en Guatemala (The avocado in Guatemala). Contr. Serv. Tecn. Cooperac. Agr. no.37. 7 p. F.1931.

Dieckmann, J. G.
Contribucion al estudio de las solanaceas argentinas (Contribution to the study of the Argentine Solanaceae) [1912]
Partial transl.

Edwards, A.
Una nueva carta de geografía botánica chilena (A new set of the maps of the plant geography of Chile). Rev. Chil. Hist. Nat. 25(1921): 124-127. 1923.

Las frutas de Guatemala(The fruits of Guatemala.) Anuario Serv. Tecn. Cooperac. Agr. 1931. p.55-93. Ja.1931.

Kempski, K.E.
Die ramiekultur (Ramie culture). Neues handbuch der tropischen agrikultur lfg. 40/1. 116 p. 1931.

Lan, J.J.
Les plantes indochinoises de grande culture. v.2. 1930.
Transl. of portions on abaca, agave, jute, kapok and ramie.

Translations. (cont.)

Looser, G.

La zarzamora (Rubus ulmifolius Schott) en Juan Fernandez (The zarzamora (Rubus ulmifolius Schott en Juan Fernandez). Rev. Chil. Hist. Nat. 31: 84-85. 1928.

Nadson, G. & Filippov, G. S.

O vozbuzhdaiushchem deistvii ul'trafioletovykh luchei na tazvitie drozhzhevykh i plesneyvkh gribkov [De l'action excitante des rayons ultraviolets sur l'evolution des mycetes. Vestnik Rentgenol i Radiol. (Ann. Roentg. & Radiol.) 5: 425-431. illus. 1937.

Photostat of Russian with English abstract in B.P.I. Library.

Popenoe, W.

El problema de la variedad en la horticultura tropical. (The problem of variety in tropical horticulture). Contr. Serv. Tecn. Cooperac. Agr. no.41. 12 p. Je.1931.

Tobler, F.

Sisal und andere agavefasern (Sisal and other fibers of agave). Berlin, 1910 (Wohltmannbücher bd.10. Monographien zur landwirtschaft warmer länder, begründet von dr. W. Busse, fortgeführt von dr. A. Zimmerman)

Correction.

v.14, no.25, p.9.

Cashmore, A.E. should be Cashmore, A.B. under

Bull. Counc. Sci. & Ind. Res. Austr.

New Books

Geitler, L.

Cyanophyceae (blaualgen)...(schluss) lfg. 6 (p.1057-1196) Leipzig, 1932(Dr.L. Rabenhorst's Kryptogamen-flora von Deutschland, Oesterreich und der Schweiz XIV. bd.) (461R11)

BOTANY
CURRENT LITERATURE

LIBRARY
RECEIVED
★ FE. 17 193 ★
U. S. of Agriculture

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY,
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C.

Vol. 15, no.2. Jan.16-28, 1933.

Acta Bot. Bohemica (Praze) (450Ac82)
Domin, K.
Schedae ad floram Čechoslovenicam exsiccatam Cent. III. Acta Bot. Bohemica v.10, 79 p. 1931.

Agr. et Élev. Congo Belge. (26Ag84)
Staner, P.
Les fruits au Congo. Agr. et Élev. Congo Belge 7: 4-7. illus. Ja.7,1933. no.1.
Extrait du Bulletin de la "Cophaco".

Agr. Notes Dept. Agr. Trinidad & Tobago (8T732A)
Stell, F.
A disease of Tonka bean trees. Agr. Notes Dept. Agr. Trinidad & Tobago 3: 137. D.1932. no.12.
Species of Corticium.

Anais Inst. Sup. Agron. Lisboa (105.7L682)
Mello Geraldes, C.de., Almeida, A. de. & Duarte, C.
Étude sur quelques graines oléagineuses forestiéres de l'Angola. Anais Inst. Sup. Agron. Lisboa 5: 11-24. 1932. no.1.

Silveira, J.C.de.
Contribution analytique à l'etude chimique des écorces de palétuviers des colonies portugaises. Anais Inst. Sup. Agron. Lisboa 5: 25-138. illus. 1932. no.1.

Ann. Inst. Nat. Agron. (Paris) (105.3In8)
Lemoigne, M. & Monguillon, P.
Présence de l'acetylmethylcarbinol et du 2.3-butyleneglycol chez les plantes superieures formation au cours de la germination. Ann. Inst. Nat. Agron. II,24: 41-44. 1931.

Ann. Serv. Bot. et Agron. Tunisie (108T832A)
Boeuf, F.
Le blé en Tunisie. Ann. Serv. Bot. et Agron. Tunisie v.8. 454 p. plates (pt.col.), fold. maps. 1932.

Ann. Rep. Bur. Sugar Exp. Stat. Queensl. (65.9Q3)

Bell, A. F.

Work of the Division of Pathology...for the year ending 31st October, 1932. Ann. Rep. But. Sugar Exp. Stat. Queensl. 32(1931/32): 46-50. 1932.

Ann. Rep. Cacao Res. Trinidad (68.39C11)

Pound, F. J.

The genetic constitution of the cacao crop, Ann. Rep. Cacao Res. Trinidad 1(1931): 10-24. 1932.

Pound, F. J.

Studies of the fruitfulness in cacao I-II. Ann. Rep. Cacao Res. Trinidad 1(1931): 24-28. illus. 1932.

I. A note on the abscission of the flower. II. Evidence for partial sterility.

Pyke, E. E.

The vegetative propagation of cacao. Ann. Rep. Cacao Res. Trinidad 1(1931): 4-9. pl. i. 1932.

Ann. Rep. Dept. Agr. Tanganyika Terr. (24T15)

Wallace, G. B.

Report of the mycologist. Ann. Rep. Dept. Agr. Tanganyika Terr. 1931: 94-97. 1932 (24T15)

Austral. Journ. Exp. Biol. & Med. Sci. (Adelaide) (442.8Au7)

Phipps, I.F. & Gurney, H. C.

A preliminary note on the origin of a B-type speltoid in Triticum vulgare. Austral. Journ. Exp. Biol. & Med. Sci. 10: 215-218. D.16, 1932. no.4.

Bartonia (Philadelphia) (451P532)

Hitchcock, A.S.

The grasses of the Muhlenberg herbarium. Bartonia 14: 27-52. D.2, 1932. no.14.

Pennell, F. W.

George William Bassett (1871-1932). Bartonia 14: 58. D.2, 1932.

Stone, W.

Ida Augusta Keller (1866-1932). Bartonia 14: 59-60. D.2, 1932.

Sharpless, W. T.

Dr. William Darlington, physician and botanist. Bartonia 14: 1-13. port. D.2, 1932.

Bartonia (cont.)
Wherry, E. T.
The eastern long-styled phloxes. II. Bartonia 14: 14-26. pl.2-3. D.2, 1932. no.14.

Ber. Deut. Bot. Ges. (Berlin) (451D48)
Dokturowsky, W. S.
Zum aufsatz von N. Katz "Zur kenntnis der moore des fernen ostens". Ber. Deut. Bot. Ges. 50: 437. D.29, 1932. no.9.

Donat, A.
Zur regionalen gliederung der vegetation Patagoniens. Ber. Deut. Bot. Ges. 50: 429-436. D.29, 1932. no.9.

Iterson, G. van.
Ein neues botanisches messer zum schneiden mit der hand. Ber. Deut. Bot. Ges. 50: 438-443. illus. D.29, 1932. no.9.

Rytz, W.
Beitrage zur kenntnis der gattung Synchytrium III. Infektionsversuche mit einem Synchytrium von typus S. aureum Schröt. Ber. Deut. Bot. Ges. 50: 463-471. D.29, 1932. no.9.

Schaffnit, E. & Lüdtke, M.
Ueber die bildung von toxinen durch verschiedene pflanzenparasiten. Ber. Deut. Bot. Ges. 50: 444-463. illus. D.29, 1932. no.9.
Experiments with Ophiobolus graminis, Fusarium lycopersici, F. vasinfectum and Didymella lycopersici.

Schmidt, E. W.
Ueber eine pathologische fettbildung im zuckerrubenblatt. Ber. Deut. Bot. Ges. 50: 472-474. illus. D.29, 1932. no.9.

Bergcultures. (Batavia, Java) (22.5B45)
Gandrup, J.
Phytopathologische problemen in de koffiecultuur. Bergcultures 6: 1388-1394. D.17,1932. no.51.

Biol. Gen. (Vienna) (442.8B525)
Porsch, O.
Goethe und die pflanze. Biol. Gen. 9: 107-150. 1932. no.1.

Bot. Not. (Lund, Sweden) (450B656)

Borgström, G. A.

Några bestämnigar av citronsyrehalten hos sockerbeta och rödbeta. Bot. Not. 1932: 445-456. 1932. no.6.

English summary: p.454-455.

Gustafsson, C. E.

Rubus fasciculatus P.J.M. och Rubus ambifarius P.J.M. Bot. Not. 1932: 457-459. illus. 1932. no.6.

Hammarlund, C.

Zur biologie des Mahonia-rostes (Puccinia mirabilissima Peck). Bot. Not. 1932: 401-416. illus. 1932. no.6.

Lindquist, B.

Ranunculus fluitans Lamarck, en för svenska floran ny växt. Bot. Not. 1932: 393-400. illus. 1932. no.6.

Magnusson, A. H.

New or interesting Swedish lichens. VII. Bot. Not. 1932: 416-444. 1932. no.6.

Bull. Dept. Agr. Canada (Ottawa) (7C16B)

Newton, M. & Johnson, T.

Specialization and hybridization of wheat stem rust, Puccinia graminis tritici, in Canada. Bull. Dept. Agr. Canada no.160. 60 p. illus. 1932.

Bull. Econ. Indochine Sect.B. (22.5In2B)

Léandri, J.

Note sur le ron (Garcinia hamburyi des guttiféres) dans le province de Kompong-Speu. Bull. Écon. Indochine Sect.B. 35: 633-640. S./O. 1932.

Bull. Gard. Club. Amer. (81G16)

Sewall, B. H.

Flower arrangement. Bull. Gard. Club. Amer. 5(1): 14-23. Ja.1933. no.1.

Bull. Min. Agr. Gt. Brit. (10G794B)

Great Britain. Ministry of Agriculture and Fisheries.

Asparagus. Its Bull. no.60. 51 p. illus., 6 pl. on 3. D.1932. no.60.

Diseases: p. 49-50.

Bull. Misc. Inform. Kew. (London) (89K51B)

Bullock, A. A.
New species from Mount Elgon. Bull. Misc. Inform. Kew. 1932: 487-509. no.10.

Cotton, A. D.
The arborescent Senecios of Mount Elgon. Bull. Misc. Inform. Kew. 1932: 465-475. no.10.

Craib, W. G.
Contributions to the flora of Siam. Additamentum XXXVII. Bull. Misc. Inform. Kew. 1932: 475-486. no.10.

Hutchinson, J.
Notes on the flora of southern Africa. III. Miscellaneous new species. Bull. Misc. Inform. Kew. 1932: 510-512. no.10.

Calif. Citrogr. (Los Angeles) (80C125)

Johnston, J. C.
Zinc sulfate promising new treatment for mottle leaf. Calif. Citrogr. 18: 107, 116-118. illus. F. 1933. no.4.

Canada Dept. Agr. Pamph.

Greaney, F. J.
Sulphur dusting of grain plots for control of rust. Canada Dept. Agr. Pamphl. n.s., no.132. 8 p. illus. 1931.

Güssow, H. T.
The stem eelworm (Tylenchus dipsaci (Kühn) Bastian) of narcissi. Canada Dept. Agr. Pamphl. n.s., no.144. 11 p. illus. 1932.
Studies in diseases of ornamental plants, II.

Canad. Flor. (Peterboro, Ont.) (80C16)

Macoun, W. T.
The Northern Spy apple a parent in breeding. Canad. Hort. 56: 10-11. Ja.1933. no.1.

Canad. Journ. Res. (Ottawa) (330.9G16C)

Aamodt, O. S. & Mallach, J. G.
"Smutty" wheat caused by Ustilago utriculosa on dock-leaved persicary. Canad. Journ. Res. 7: 578-582. 1 pl. D.1932. no.6.
Persicary (Polygonum lapathifolium).

Compt. Rend. Acad. Sci. Paris (505P21)

Fischer-Piette, E., Hein, R. & Lami, R.

Note préliminaire sur une maladie bactérienne des zostères. Compt. Rend. Acad. Sci. Paris 195:1420-1422. D.27, 1932. no.26.

Frémy, P.

Cyanophycées vivant dans le thalle des Codium. Compt. Rend. Acad. Sci. Paris 195: 1413-1414. D.27, 1932. no.26.

Hydrocoleum coccineum, Microcoleus wuitneri, (n.sp.), M. codii (n.sp.) Brachytrichia balani, & f. purpurea, n.f.

Grigoraki, L.

Sur un nouveau milieu de conservation des dermatophytes (Pléomorphisme, caractère acquis, spécificité tissulaire). Compt. Rend. Acad. Sci. Paris 196: 60-62. Ja.3, 1933. no.1.

Michel-Durant, E.

Sur l'azote, le soufre, le phosphore, le potassium des feuilles de Prunus laurocerasus au moment de leur chute. Compt. Rend. Acad. Sci. Paris 195: 1419-1420. D.27, 1932. no.26.

Vladesco, A.

Sur les premiers cloisonnements du zygote des fougères leptosporangiées. Compt. Rend. Acad. Sci. Paris 195:1415-1416. D.27, 1932. no.26.

Wang, D. T.

Quelques observations sur l'Ustilago violacea (Pers.) Fuckel. Compt. Rend. Acad. Sci. Paris. 195: 1417-1418. D.27, 1932. no.26.

Compt. Rend. Soc. Biol. Paris (442.9P21)

Conard, A.

La croissance et la division chez Degagnya majuscula (Kutz.) Conard (= Spirogyra majuscula Kutz.) Compt. Rend. Soc. Biol. Paris 111(40): 1090-1093. Ja.6, 1933. no.40.

Egnus, M.

L'influence du radium sur le développement du cresson alénois (Lepidium sativum). Compt. Rend. Soc. Biol. Paris 111(40): 1094. Ja.6, 1933. no.40.

Guilliermond, A.

Sur les caractères spéciaux des pigments anthocyaniques des fleurs de Dianthus caryophyllus. Compt. Rend. Soc. Biol. Paris 111(40): 973-976. Ja.6, 1933. no.40.

Compt. Rend. Soc. Biol. Paris. (cont.)

Malinowski, E.

Phénomènes de l'accroissement de la vigueur chez les hybrides de Phaseolus vulgaris (L.) Savi. Compt. Rend. Soc. Biol. Paris 111(40): 1035-1036. Ja.6, 1933. no.40.

Mangenot, G.

Sur le pigment et le calcaire chez Fuligo septica Gmel. Compt. Rend. Soc. Biol. Paris. 111(40): 936-940. illus. Ja.6, 1933. no.40.

Moreau, F. & Moruzi, C.

Sur des réactions sexuelles imparfaites chez les ascomycètes du genre Neurospora. Compt. Rend. Soc. Biol. Paris 111(40): 954-957. Ja.6, 1933. no.40.

Simonet, M. & Miedzyrzecki, Ch.

Etude caryologique de quelques espèces arborescentes ou sarmenteuses d'ornament. Compt. Rend. Soc. Biol. Paris 111(40): 969-973. illus. Ja.6, 1933. no.40.

Contr. Arnold Arb. (451Ar6C)

Johnston, I. M.

Studies in the Boraginaceae IX. Contr. Arnold Arb. III. 102 p. 1932.

1. The Allocarya section of Plagiobothrys in the western United States. 2. Notes on various borages of the western United States.

Current Science. (Bangalore) (475Sci23)

Ghosh, M. N.

Yellowing of sugarcane in the district of Saran in North Bihar. Current Science 1: 162. D.1932. no.6.

Due to deficiency of nitrogen.

Mehra, P. N.

Some peculiarities in the gametophyte of Adiantum capillus-veneris L. Current Science 1: 169-170. D.1932. no.6.

Ramiah, K.

Use of smear technique for chromosome counts in rice (O. sativa). Current Science 1: 166-167. illus. D.1932. no.6.

Curt. Bot. Mag. (450094)

Curt. Bot. Mag. v.156, pt.I., col.pl. 9293-9303. Ja.2, 1933.

Aichryson dichotomum, Astragalus utahensis,, Berberis jamesiana, Bulbophyllum patens, Daphne, sureil, Fritillaria karadaghensis, Haemanthus nelsonii, Leptaloe albida, Nomocharis saluenensis, Parasyringa sempervirens, Rhododendron sperabile.

K. Danske Vidensk. Selsk. Skrift. Naturv. Math. Afd. (502079)

Hansen, H.M.

Nørholm hede, en formationsstatistisk vegetationsmonografi. K. Danske Vidensk. Selsk. Skrift. Naturv. og Math. Afd. IX,3:99-195. illus. (maps, fold.map. 1932. no.3.

English summary.

Deut. Zuckerind. (Berlin) (65.8D48)

Schmidt, E. W.

Zwei seltene rübenschädlinge. Deut. Zuckerind. 58: 17-18. illus. Ja.7,1933. no.1.

Rübenmotte, Typhulapilz (T.variabilis)

Fennia (Helsingfors) (511H367)

Aario, L.

Pflanzentopographische und paläogeographische mooruntersuchungen in N-Satakunta. Fennia v.55, no.1. 179.p. plates, fold.map. 1932.

Fortschr. Landw. (Vienna) (19F77)

Schmidt, W.

Der lichtgenuss unter einem obstbaum; messungen nach neuer methode. Fortschr. Landw. 8: 29-31. Ja.15, 1933. no.2.

Tamm, E.

Gedanken und vorschläge zur errichtung einer "pflanzenwetter- und -klimastation". Fortschr. Landw. 8: 25-29. illus. Ja.15, 1933. no.2.

Gard. Illus. (London) (80G169)

Balls, E. K.

Plant hunting in Persia. Gard. Illus. 54: 774-776, 787. illus. D.24,31, 1932. no.2807-2808.

Giuseppi, P.L.

Plant hunting in Persia. III. Gard. Illus. 55: 22-23. Ja.14, 1933. no.2810.

Instructions about growing mushrooms. Gard. Illus. 55: 10-11. illus. Ja.7, 1933. no.2809.

Gard. Illus. (cont.)

Lawrence, W.

The Hamamelidaceae. Gard. Illus. 55: 8-9. illus. Ja.7, 1933. no.2809.

Watson, J. H.

The first lily book and some stray notes on lilies. Gard. Illus. 55: 4-5. illus. Ja.7, 1933. no.2809.

"Lily year book of 1932" of the Royal horticultural society.

Hereditas (Lund) (442.8H42)

Hakansson, A.

Beiträge zur polyploidie der umbelliferen. Hereditas 17: 246-248. 1933. no.2.

Hakansson, A.

Zytologische studien an compactoiden typen von Triticum vulgare. Hereditas 17: 155-196. illus., pl. 1933. no.2.

English summary: p.193-194.

Müntzing, A.

Apomictic and sexual seed formation in Poa. Hereditas 17: 131-154. illus. 1933. no.2.

Müntzing, A.

Studies on meiosis in diploid and triploid Solanum tuberosum L. Hereditas 17: 223-245. illus. 1933. no.2.

Nilsson, E.

Erblichkeitsversuche mit Pisum. VI-VIII. Hereditas 17: 197-222. illus. 1933. no.2.

VI. Neue fälle von semisterilität. VII. Spaltung in verschiedener variationsweise. VIII. Ein lokalisationsgen für wachs und sein verhalten zu den genen Wa und Wb.

Industr. Chim. (Roma)

Bottini, E.

Sulla nutrizione minerale delle piante. Industr. Chim. 7: 1634-1637. D.1932. no.12.

Intern. Bull. Plant Prot. (464.8In8)

Chrestian, J.

Algeria: Phoma flaccida on vine. Intern. Bull. Plant Prot. 6: 201-202. D.1932. no.12.

Stevens, N.E.

United States of America: an epidemic of bacterial wilt of maize. Intern. Bull. Plant Prot. 6:203-204. D.1932. no.12.

Ital. Agr. (Milan) (16Itl)
Munerati, O.
Osservazioni sulle carie del grano.
Ital. Agr. 69: 1052-1058. illus. D.1932. no.12.

Izv. Bulg. Bot. Druzh. (Bull. Soc. Bot. Bulgarie) (Sofia)
Akhtarov, B. (451B61)
Einige für die flora Bulgariens neue und seltene pflanzenarten. Izv. Bŭlg. Bot. Druzh. (Bull. Soc. Bot. Bulgarie) 5: 113-116. 1932.

Akhtarov, B. & Stojanov, N.
Zur kenntnis von Serratula-arten in Bulgarien. Izv. Bulg. Bot. Druzh. (Bŭll. Soc. Bot. Bulgarie) 5: 111-112. illus. 1932.
S. bulgarica sp.n.

Burzakov, B.
Dva triufela i niekolko gubni vida novi za Bulgariia (Zwei tuberarten und einige für Bulgarien neue pilzarten). Izv. Bŭlg. Bot. Druzh. (Bul. Soc. Bot. Bulgarie* 5: 84-86. 1932.
Bulgarian.
Tuber album, Choiromyces meandriformis.

Georgieff, T.
Additamenta ad Hieracii Bulgarici. Izv. Bulg. Bot. Druzh. (Bull. Soc. Bot. Bulgarie) 5: 94-97. 1932.

Hermann, F. & Stefanov, B.
Neuer nachtrag zur flora Bulgariens. Izv. Bulg. Bot. Druzh. (Bull. Soc. Bot. Bulgarie) 5:128-131. 1932.

Hermann, F.
Pflanzen aus Ost-Thrakien. Izv. Bulg. Bot. Druzh. (Bull. Soc. Bot. Bulgarie) 5: 132-142. 1932.

Ivanov, B.
Novi gubni paraziti za Bŭlgariia (Neue parasitische pilze Bulgariens). Izv. Bŭlg. Bot. Druzh. (Bull. Soc. Bot. Bulgarie) 5: 82-83. 1932.
Bulgarian.

Jordanov, D.
Novi i riedki za Bŭlgariia rasteniia (Neue seltene für Bulgarien pflanzen). Izv. Bŭlg. Bot. Druzh. (Bull. Soc. Bot. Bulgarie) 5: 59-62. 1932.
Bulgarian with brief German summary.

Izv. Bŭlg. Bot. Druzh. (Bull. Soc. Bot. Bulgarie) (cont.)

Nikolov, At.P.
Novi lichai za Bŭlgariia (Neue für Bulgarien flechten). Izv. Bŭlg. Bot. Druzh. (Bull. Soc. Bot. Bulgarie) 5: 87-89. 1932.
Bulgarian.

Petkov, S.
Sur la flore algologique des côtes Bulgares de la Mer Noire. Izv. Bulg. Druzh. (Bull. Soc. Bot. Bulgarie) 5: 117-127. 1932.

Stefanov, B.
4 Ueber das morphologische wesen der phyllokladien bei Asparagus L. Izv. Bŭlg. Bot. Druzh. (Bull. Soc. Bot. Bulgarie) 5: 63-77. illus. 1932.

Stojanov, N.
Floristische notizen. Izv. Bulg. Bot. Druzh. (Bull. Soc. Bot. Bulgarie) 5: 98-110. illus. 1932.

Turrill, W. B.
Two plants new to the Bulgarian flora. Izv. Bŭlg. Bot. Druzh. (Bull. Soc. Bot. Bulgarie) 5: 78-81. 1932.
Ceratophyllum muricatum, Sagittaria latifolia.

Jahrb. Wiss. Bot. (Leipzig) (450P93J)

Bünning, E.
Ueber die erblichkeit der tagesperiodizität bei den Phaseolus-blättern. Jahrb. Wiss. Bot. 77: 283-320. illus. 1932. no.3.
P. multiflorus.

Maier, W.
Untersuchungen zur frage der lichtwirkung auf die keimung einiger Poa-arten. Jahrb. Wiss. Bot. 77: 321-392. diagrs. 1932. no.3.

Zimmermann, W.
Beiträge zur kenntnis der georeaktionen. IV. Blütenbewegungen und andere umstimmungsbewegungen. Jahrb. Wiss. Bot. 77: 393-506. illus. 1932. no.3.

Jardinage. (Paris) (80J282)

Davet, J.
Le mildiou des fraises. Jardinage 1933(4): 28-29. illus. Ja.1933.
Phytophthora omnivora.

Journ. Amer. Chem. Soc. (381Am33J)

Sullivan, B. & Howe, M. A.

Lipases of wheat, I- Journ. Amer. Chem. Soc. 55: 320-324. Jan.1933. no.1.

Journ. Amer. Soc. Agron. (Geneva, N.Y.) (4Am34P)

Jones, J. W.

Effect of reduced oxygen pressure on rice germination. Journ. Amer. Soc. Agron. 25: 69-81. illus. Ja.1933. no.1.

Sturkie, D. G.

Control of weeds in lawns with calcium cyanamid. Journ. Amer. Soc. Agron 25: 82-84. illus. Ja.1933. no.1.

Warburton, C. W.

A quarter century of progress in the development of plant science. Journ. Amer. Soc. Agron. 25: 25-36. Ja.1933. no.1.

Woodworth, C. M.

Genetics of the soybean. Journ. Amer. Soc. Agron. 25: 36-51. illus. Ja.1933. no.1.

Journ. Bd. Greenkeep. Res. (Bingley, Yorks) (60.19B77)

Dawson, R. B.

Common weeds of turf. Journ. Bd. Greenkeep. Res. 2: 282-288. 1932. no.7.

Lewis, I. G.

A greenkeeper's guide to the grasses. Journ. Bd. Greenkeep. Res. 2: 273-281. illus. 1932. no.7.

Journ. Bombay Nat. Hist. Soc. (513B63)

Ali, S. A.

Flower-birds and bird-flowers in India. Journ. Bombay Nat. Hist. Soc. 35: 573-605. illus., 4 pl. F.15, 1932. no.3.

Blatter, E.

A new gentian from N. Waziristan. Journ. Bombay Nat. Hist. Soc. 35: 861. Jl.15, 1932. no.4.

Gentiana lowndesii.

Blatter, E.

Revision of the flora of the Bombay Presidency. XVII-XIX. Journ. Bombay Nat. Hist. Soc. 35: 484-495, 722-736. illus., vii pl. F.15, Jl.15, 1932. no.3, 4; 36:13-28, vi pl. N.15, 1932. no.1.

Orchidaceae, by Blatter & C. McCann.

Journ. Bombay Nat. Hist. Soc. (cont.)
Blatter, E. & Millard, W. S.
Some beautiful Indian trees. VIII-X. Journ. Bombay Nat. Hist. Soc. 35: 525-529, 824-825. illus. 6 pl. (3 col.) F.15, Jl.15, 1932. no.3,4; 36: 139-140. illus. 2 pl. (1 col.) N.15, 1932. no.1.
The coloured Sterculia. The Queen's flower. The scarlet Cordia or Aloe-wood. The spotted Gliricidia.

Ewbank, R. B.
The hot-weather ferns of Mahableshwar. Journ. Bombay Nat. Hist. Soc. 36: 188-195. N.15, 1932. no.1.

Journ. Cell. & Comp. Phys. (Philadelphia) (444.8J822)
Zirkle, R. E.
Some effects of Alpha radiation upon plant cells. Journ. Cell. & Comp. Phys. 2: 251-274. illus. D.20, 1932. no.3.

Journ. Fac. Agr. Hokkaido Imp. Univ. Sapporo. (107.6J273J)
Makajima, K.
Studies on the proteins and oil of soy bean. Journ. Fac. Agr. Hokkaido Imp. Univ. Sapporo 31: 165-356. D.1932. no.3.

Journ. For. (Washington, D. C.) (99.8F768)
Cheyney, E. G.
The roots of a Jack pine tree. Journ. For. 30: 929-932. illus. D.1932. no.8.

Journ. Genetics (London) (442.8J823)
Cheesman, E. E.
Genetics and cytological studies of Musa. Journ. Genetics. 26: 291-312, 313-316. illus., pl.xix-xxiv. D.1932. no.3.
I. Certain hybrids of the Gros Michel banana. II. Hybrids of the Mysore banana.

Hutchinson, J. B.
The genetics of cotton. VIII. The inheritance of anthocyanin pigmentation in Asiatic cottons. Journ. Genetics 26: 317-339. col.pl. xxv-xxvi. D.1932. no.3.

Journ. Helminth. (London) (436.8J82)
Goodey, T.
Anguillulina graminophila, n.sp., a nematode causing galls on the leaves of fine bent-grass. Journ. Helminth. 11: 45-56. illus. Ja.1933. no.1.

Journ. Hered. (Washington) (442.8Am3)

Collins, J. L. & Hagan, H. R.

Nematode resistance of pineapples, Varietal resistance of pineapple roots to the nematode Heterodera radicicola (Greef) Muller. (concl.) Journ. Hered. 23: 503-511. illus. D.1932. no.12.

Journ. Indian Bot. Soc. (Madras) (450J821)

Bhargava, H. R.

Contributions to the morphology of Boerhaavia repanda. Journ. Indian Bot. Soc. 11: 303-326. illus., iv pl. O.1932. no.4.

Ghosh, E.

On the microstructure of the stems of Bengal Cucurbitaceae with reference to its value in taxonomy. Journ. Indian Bot. Soc. 11: 259-270. i pl. O. 1932. no.4.

Joshi, A. C.

Dedoublement of stamens in Achyranthes aspera Linn. Journ. Indian Bot. Soc. 11: 335-339. illus. O.1932. no.4.

Parija, P. & Saran, A. B.

Variability of the osmotic strength of the sap of Cuscuta reflexa Roxb. Journ. Indian Bot. Soc. 11: 271-275. i pl. O.1932. no.4.

Malhotra, R. C.

The effect of the type of water on Zea mays protoplasm. Journ. Indian Bot. Soc. 11: 327-334. 1 pl. O.1932. no.4.

Malhotra, R. C.

Germination of Zea mays seeds as influenced by their protoplasmic immersion in water and desiccation. Journ. Indian Bot. Soc. 11: 276-284. O.1932. no.4.

Mehra, P. N.

Ceropteris calomelanos L. in Sikkim. Journ. Indian Bot. Soc. 11: 340-341. 1 pl. O.1932. no.4.

Mullan, D. P.

Observations on the biology and physiological anatomy of some Indian halophytes. Journ. Indian Bot. Soc. 11: 285-302. viii pl. O.1932. no.4.

Journ. Min. Agr. Gt. Brit. (10G79J)

Bates, G. H.

The distribution and control of the great stinging nettle. Journ. Min. Agr. Gt. Brit. 39: 912-922. 4 pl. on 2. Ja.1933. no.10.

Urtica dioica.

Journ. New Zeal. Inst. Hort. (87N485J)

Aston, B. C.

New Zealand trees for ornament and shelter. Journ. New Zeal. Inst. Hort. 3: 59-63. 3 pl. on 2. 0.1932. no.3.

Journ. Pomol. & Hort. Sci. (London) (80J825)

Dowson, W. J.

Notes on some bacterial plant diseases in Tasmania. Journ. Pomol. & Hort. Sci. 10: 301-305. D.1932. no.4.

Moore, M. H.

Further studies on the incidence and control of apple scab (Venturia inaequalis) and apple mildew (Podosphaera leucotricha) at East Malling. Journ. Pomol. & Hort. Sci. 10: 271-294. D.1932. no.4.

Rogers, W. S.

Root studies II. The root development of an apple tree in a wet clay soil. Journ. Pomol. & Hort. Sci. 10: 219-227. 3 pl. on 2. D.1932. no.4.

Vyvyan, M. C. & Evans, H.

The leaf relations of fruit trees. I. A morphological analysis of the distribution of leaf surface on two nine-year old apple trees. (Laxton superb). Journ. Pomol. & Hort. Sci. 10: 228-270. illus., pl. D.1932. no.4.

Journ. Rubber Res. Inst. Malaya (78.9R824J)

Beeley, F.

Effect on meteorological factors on the virulence of Oidium heveae in Malaya. Journ. Rubber Res. Inst. Malaya 4: 104-114. 2 pl. (1 fold.) N.1932. no.2.

Beeley, F.

Report on sulphur dusting experiments. Journ. Rubber Res. Inst. Malaya 4: 115-122. pl. N.1932. no.2.

Woodman, R.M. & Rhodes, E.

Notes on quebrachitol and the lipin from Hevea latex. Journ. Rubber Res. Inst. Malaya 4: 153-155. N.1932. no.2.

Journ. So. African Vet. Med. Assoc. (Pretoria) (418So8)

Steyn, D. G.

Known poisonous plants in the Union of South Africa. Journ. So. African Vet. Med. Assoc. 3: 178-189. D.1932. no.4.

Journ. Washington Acad. Sci. (500W276J)

Berry, E. W.

New occurrences of Pleistocene plants in the District of Columbia. Journ. Washington Acad. Sci. 23: 1-25. illus. Ja.15, 1933. no.1.

Diehl, W. W.

Thelebolus lignicola and the genus Pleurocolla (Fungi). Journ. Washington Acad. Sci. 23: 58-61. illus. Ja.15, 1933. no.1.

Pleurocolla compressa (Thelebolus lignicola).

Jones, H. A.

The rotenone content of derris root, cube root, and other plant materials. Journ. Washington Acad. Sci. 23: 36-46. Ja.15, 1933. no.1.

Lewton, F. L.

Armouria, a new genus of malvaceous trees from Haiti. Journ. Washington Acad. Sci. 23: 63-64. Ja.15, 1933. no.1.

Trelease, W.

Five new oaks from Guatemala. Journ. Washington Acad. Sci. 23: 61-63. Ja.15, 1933. no.1.

Quercus skutchii, Q. chichavacana, Q. chimaltenangana, Q. ambivenulosa, Q. aristigera, n.spp.

Kranke Pflanze (Dresden) (464.8K86)

Baunacke, W.

Hofrat Professor Dr. Arno Naumann. Kranke Pflanze 9: 109-110. N./D.1932. no.11/12.

Frickhinger, H. W.

Zur bekämpfung der hopfenperonospora. Kranke Pflanze 9: 117-118. N./D. 1932. no.11/12.

Philipp, W.

Starkes auftreten des pulverschorfes der kartoffel 1932. Krank Pflanze 9: 111-112. illus. N./D.1932. no.11/12.

Lesnická Práce (L'Oeuvre For.) (Pisek, Moravia) (99.8L56)

Hendrych, V.

Duležitost záznamů lesních živelních škod. (Die wichtigkeit der notizen über klimatische waldschäden) Lesnická Práce (L'Oeuvre For.) 11: 545-551. 1932. no.11/12.

Meded. Deli Proefst. Medan, Sumatra.

Meurs, A.

Proeven omtrent spikkelbestrijding, genomen in de jaren 1931 en 1932. (Experiments on control measures against Cercospora in Sumatra tobacco). Meded. Deli Proefst. Medan, Sumatra. II, no.80. 21 p. 1932. no.80.

English summary: p.21.

Meded. Inst. Plantez. Dep. Landb. &c. Nederl. Ind. (Batabia) (464.9Ea72)

Toxopeus, H. J.

Nadere gegevens over de gomziekte in djeroek manis (Citrus sinensis Osb.) en haar bestrijding. Meded. Inst. Plantenz. Dept. Landb. &c. Nederl. Ind. no.80. 27 p. illus. 1932.

Dutch with English summary.

Mitt. Deut. Landw. Ges. (Berlin) (18D48M)

Tiemann,

Kurze betrachtung zum rostbefall des weizens in Schlesien im jahre 1932. Mitt. Deut. Landw. Ges. 48: 7-8. Ja.7, 1933. no.1.

Nachr. Schädlingsbekämpfung. (Leverkusen b.Köln, a Rh.) (464.8N112)

Schliesing,

Erfolgreiche gemeindeweise schädlingsbekämpfung im obstbau. Nachr. Schädlingsbekämpfung 7: 131-133. D.1932. no.4.

Schoute, A.

Der pflanzenschutzdienst in Holland und seine organisation. Nachr. Schädlingsbekämpfung 7: 117-130. illus. D.1932. no.4.

Nat. Greenkeeper (Cleveland, O.) (60.18N21)

Boggs, A.

Brown patch control. Nat. Greenkeeper 7:17. F.1933. no.2.

Nat. Hort. Mag. (Washington, D. C.) (81N219)

Anderson, I. N.

Verbena canadensis Brit. Nat. Hort. Mag. 12: 72-74. illus. Ja.1933. no.1.

Henry, M. G.

A few uncommon oaks. Nat. Hort. Mag. 12: 45-47. Ja.1933. no.1.

Jones, K. D.

Acacias in California. Nat. Hort. Mag. 12: 1-44. illus. Ja.1933. no.1.

Nat. Hort. Mag. (cont.)

Newcomer, E. J.
Lewisias in their native home. Nat. Hort. Mag. 12: 58-61. illus. Ja.1933. no.1.

Russell, P.
Prunus serrulata Lindl. Nat. Hort. Mag. 12: 68-70. illus. Ja.1933. no.1.

Slavin, A. D.
Our deciduous conifers. II. Nat. Hort. Mag. 12: 48-53. illus. Ja.1933. no.1.

Spingarn, J. E.
Clematis jouiniana. Schneid. Nat. Hort. Mag. 12: 67-68. Ja.1933. no.1.

Nat. Hist. (N.Y.) (500N483J)

Cummings, C. E.
Mushrooms and toadstools. Nat. Hist. Mag. 33: 41-53. illus. Ja./F.1933. no.1.

Nature (London) (472N21)

Graigie, J.H.
Union of pycniospores and haploid hyphae in Puccinia helianthi Schw. Nature 131: 25. illus. Ja.7,1933. no.3297.

Davie, J. H.
Fixation of mitochondria. Nature 131: 59. Ja.14, 1933. no.3298.

Nature Mag. (Washington) (409.6N214)

Pratt, J.G.
Musk thistle, flower or weed? Nature Mag. 21: 61-62. illus. F.1933. no.2.
Carduus nutans.

Notes & Mem. Imp. Bur. Agr. Parasitology (448.9Im72)

"Potato sickness" and the eelworm, Heterodera schachtii". Notes & Mem. Imp. But. Agr. Parasitology no.6. 22 p. 1932.

Nuovi Ann. Agr. Min. Agr. e For. Italy (16N92)

Oddone, E.
Influenca dei fattori insolazione e nebbia sullo sviluppo della ruggine del grano. Nuovi Ann. Agr. Min. Agr. For. Italy 12: 344-356. illus. S.30,1932. no.2/3.

Rossati, G.
Il contenuto in ferro degli ortaggi e delle frutta. Nuovi Ann. Agr. Min. Agr. For. Italy 12: 207-210. S.30, 1932. no.2/3.

Orchid Rev. (Richmond, Engl.) (80Or15)

Gurney Wilson, F.L.S. Orchid Rev. 41: 17-18. port. Ja.1933. no.475.

Editor of Orchid Review, 1921-1932.

Parks & Recreation (Rockford, Ill.)

Teuscher, H.

The botanical garden of the future. Parks & Recreation 16: 177-185. Ja.1933. no.5.

Pflanzenbau (Berlin) (18P48)

Dix, & Kühlmorgen,

Untersuchungen über die keimung der dauersporangien von "Synchytrium endobioticum". Pflanzenbau 9: 209-216. 1932. no.6.

Schmorl, K.

Die bestimmung des wassergehaltes in pflanzlichen produkten. Pflanzenbau 9: 232-239. illus. 1932. no.6.

Phosphorsäure (57.8P562)

Sekera, F.

Die anpassung der düngerwirtschaft an die wasserversorgung der pflanze. Phosphorsäure 3: 1-63. illus. 1933. no.1/2.

Phytopath. (464.8P56)

American phytopathological society.

Abstracts of papers presented at the twenty-fourth annual meeting, Atlantic City, N. J., D.28-30, 1932. Phytopath. 23:1-40. Ja.1933. no.1.

Brown, J. G. & Evans, M. M.

Crown gall on a conifer. Phytopath. 23: 97-101. illus. Ja.1933. no.1.

On Cypressus arizonica.

Eddins, A. H. & Voorhees, R.K.

Physalospora zeicola on corn and its taxonomic and host relationships. Phytopath. 23: 63-72. illus. Ja.1933. no.1.

P. zeicola perfect stage of Diplodia frumenti.

Felix, E. L.

Disease resistance in Allium fistulosum L. Phytopath. 23: 109-110. Ja.1933. no.1.

"Winterhecke" or "White Welsh".

Godfrey, G. H. & Hoshino, H.M.

Studies on certain environmental relations of the root-knot nematode, Heterodera radicicola. Phytopath. 23: 41-62. Ja.1933. no.1.

Phytopath, (cont.)

Jackson, L.W.R. & Hartley, C.
Transmissibility of the brooming disease of black locust. Phytopath. 23: 83-90. illus. Ja.1933. no.1.

Lindgren, R.M.
Decay of wood and growth of some hymenomycetes as affected by temperature. Phytopath. 23: 73-81. Ja.1933. no.1.

Lindgren, R.M. & Chapman, A.D.
Field inoculation of Pinus strobus with sporidia of Cronartium ribicola in Minnesota. Phytopath. 23: 105-107. Ja.1933. no.1.

Poole, R. F.
Knob and elevated vein formations on sweet-potato roots. Phytopath. 23: 91-96. illus. Ja.1933. no.1.
Knob disturbance caused by Cacoenma radicicola; vein phenomenon a soil trouble.

Steiner, G. & Buhrer, E.M.
The bulbous irises as hosts of Tylenchus dipsaci the bulb or stem nema. Phytopath. 23: 103-105. illus. Ja.1933. no.1.

Waterman, A.M. & McKenzie, M.A.
A disease of Colorado fir. Phytopath. 23: 108-109. Ja.1933. no.1.
Rehmiellopsis bohemica on Abies concolor.

Planta Arch. Wiss. Bot. (Berlin) (450P693)

Beyer, A.
Untersuchungen zur theorie der pflanzlichen tropismen. Planta Arch. Wis. Bot. 18: 509-524. D.20, 1932. no.3.
Die beziehungen zwischen geotropischer krümmung und wachstum bei dikotylen.

Döring, H.
Beiträge zur frage der hitzeresistenz pflanzlicher zellen. Planta Arch. Wiss. Bot. 18: 405-434. illus. D.20, 1932. no.3.
Experiments with Fucus.

Heitz, E.
Die herkunft der chromocentren. Planta Arch. Wis. Bot. 18: 571-636. illus., i pl. D.20,1932. no.3.
Dritter beitrag zur kenntnis der beziehung zwischen kernstruktur und qualitativer verschiedenheit der chromosomen in ihrer langsrichtung.

Planta Arch. Wiss. Bot. (cont.)

Homeyer, H.

Zur zytologie der rubiaceen. Planta Arch. Wiss. Bot. 18:640. D.20,1932. no.3.

Linsbauer, K.

Ueber der stereïden der hygroskopischen grannen von Corynephorus canescens. Planta Arch. Wiss. Bot. 18:550-560. illus. D.20,1932. no.3.

Mudra, A.

Zur physiologie der kälteresistenz des winterweizens. Planta Arch. Wiss. Bot. 18:435-478. D.20,1932. no.3.

Oppenheimer, H. R.

Untersuchungen zur kritik der saugkraftmessungen. Planta Arch. Wiss. Bot. 18:525-549. D.20, 1932. no.3.

Seybold, A.

Ueber die optischen eigenschaften der laubblätter. II. Planta Arch. Wiss. Bot. 18: 479-508. illus. D.20,1932. no.3.

Strugger, S.

Ueber das verhalten des pflanzlichen zellkernes gegenüber anilinfarbstoffen. Ein beitrag zur methodik der bestimmung des isoelektrischen punktes der kernphasen. Planta Arch. Wiss. Bot. 18:561-570. D.20,1932. no.3.

Plant. Chron. (Madras, India) (22P693)

Kaden, O. F.

Observations concerning the healthiness of coffee trees in Costa Rica. Plant. Chron. 27:663-664. D.17,1932. no.26.

Cercospora coffeicola, Omphalea flavida, Rosellinia sp.; wilt disease.

Proc. Virginia State Hort. Soc. (Winchester) (81V81)

Auchter, E. C.

Conditions resulting in increased drought injury and care of drought weakened trees. Proc. Virginia State Hort. Soc. 37:205-212. 1933.

Magness, J.R.

The effect of water shortage on functioning of fruit trees. Proc. Virginia State Hort. Soc. 37:200-204. 1933.

Phillips, E. F.

Importance of bees in pollination. Proc. Virginia State Hort. Soc. 36:150-160. 1932.

Proc. Virginia State Hort. Soc. (cont.)
Waite, M. B.
Peach yellows and little peach in Virginia. Proc. Virginia State Hort. Soc. 36:104-117. 1932.

Publ. Field Mus. Nat. Hist. Bot. Ser. (500C482B)
Standley, P.C.
New plants from British Honduras. Publ. Field Mus. Nat. Hist. 316, Bot. Ser. 9:129-142. D.15,1932.

Rev. Agrol. et Bot. Kivu (Bruxelles) (24R32)
Ledoux, P.
Un Entandrophragma C. DC. (Meliaceae) nouveau de l'Ituri (Congo Belge): Entandrophragma thomasii Ledoux, n. sp. Rev. Agrol. et Bot. Kivu 1932:10-11. O.1932. no.1.

Van Roechoudt, L. L.
Sur un cafeier spontané au Kivu. Rev. Agrol. et Bot. Kivu 1932:30. O.1932. no.1.
Coffea Van roechoudtii.

Verplancke, G.
Sur une rouille du froment provenant de Kabwe (Kivu, Congo Belge). Reb. Agrol. et Bot. Kivu 1932:29. O.1932. no.1.
Puccinia glumarum.

Rev. Gén. Bot. (Paris) (450R326)
Belval, H.
Les transformations des glucides dans le bananier, formation et disparition de l'amidon. Rev. Gén. Bot. 44:513-525. D.1932. no.528.

Pontillon, C.
Contribution a l'etude physiologique des lipides du Sterigmatocystis nigra. (cont.) Rev. Gen. Bot. 44:526-560. D.1932. no.528.

Rhodesia Agr. Journ. (Salisbury) (24R34)
Christian, H. B.
Notes on African aloes. IV. Rhodesia Agr. Journ. 29:965-966. D.1932. no.12.
A. macrantha, A. microstigma, A. lineata.

Science (470Sci2)
Heinicke, A. J. & Hoffman, M. B.
An apparatus for determining the absorption of carbon dioxide by leaves under natural conditions. Science 77:55-58. illus. Jan.13, 1933. no.1985.
Experiment with apple leaves.

Science (cont.)

Jeffrey, E. C.
A vicious circle in cytology. Science 77:49-50. Ja.13,1933. no.1985.
Considers results obtained by Belling, Darlington and Sax in regard to ring formation have no foundation in fact.

A new variety of barley. Science v.77, no.1968, Suppl. p.7. Ja.20,1933.
Pedigree 38, barbless type of barley, resistant to striped disease and also more productive, bred by B. D. Leith at University of Wisconsin.

Seifriz, W.
Twisted trees and the spiral habit. Science 77:50-51. Ja.13,1933. no.1985.

Science News Letter (470Sci24)

Plants of Yellowstone Springs like it hot. Science News Letter 23:53. Ja.28,1933. no.616.
Mr. Joseph J. Copeland of N. Y. City College finds the blue-green algae growing in great abundance at Yellowstone hot springs, giving those formations much of their rich coloring.

Scient. Agr. (Ottawa), (7Sci2)

Fraser, W. P. & Ledingham, G. A.
Studies of the crown rust, Puccinia coronata Corda. Scient. Agr. 13:313-323. pl. Ja.1933. no.5.

Mead, H. W.
Studies of methods for the isolation of fungi from wheat roots and kernels. Scient. Agr. 13:304-312. pl. Ja.1933. no.5.

Sci. Proc. Roy. Dublin Soc. (501D85)

Bennet-Clark, T. A.
A method for automatically recording the oxygen intake of living tissues. Sci. Proc. Roy. Dublin Soc. 20:281-291. illus. S.1932. no.21/27.

Bennet-Clark, T. A.
The respiratory quotients of succulent plants. Sci. Proc. Roy. Dublin Soc. 20:293-299. S.1932. no.21/27.
Experiments with Sedum praealtum.

Murphy, P. A. & McKay, R.
A comparison of some European and American virus diseases of the potato. Sci. Proc. Roy. Dublin Soc. 20:347-358. S.1932. no.21/27.

Sci. Rep. Tôhoku Imp. Univ., 1 Ser. (Math., Phys., Chem.) (Sendai)
Yamashito, M. (513T574)
On grayanotoxin, the poisonous constituent of the leaves of Leucothoe grayana Max. I- Sci. Rep. Tôhoku Imp. Univ., 1 Ser. (Math., Phys., Chem.) 21:537-544. D.1932. no.4.

Scient. Month. (470Sci23)
Conard, H. S.
Plant sociology. Scient. Month. 36:172-175. F.1933. no.2.

Porterfield, W. M.
Bamboo, the universal provider. Scient. Month. 36:176-183. illus. F.1933. no.2.

Smithson. Misc. Coll. (Washington) (500Sm6M)
Hoover, W. H., Johnston, E. S. & Brackett, F. S.
Carbon dioxide assimilation in a higher plant. Smithson. Misc. Coll. v.87, no.16. 19 p. 2 pl. on 1. Ja.16,1933. publ.3186.

K. Svenska Vetenskapsakad. Årsbok (502St6A)
Cleve-Euler, A.
Die kieselalgen des Tåkernsees in Schweden. K. Svenska Vetenskapsakad. Årsbok III, v.2, no.2. 254 p. illus. 1932.

Tidsskr. Planteavl (København) (11T439)
Petersen, E. J.
Undersøgelser over bønnebakterioser i sommeren 1931. Tidsskr. Planteavl. 11:826-856. ii pl. 1932. no.5.

Trudy Prikl. Bot., Gen. i Selek. Ser. II, Gen., Selek. i Tsitol. Rast. (Bull. Appl. Bot., Gen. & Plant-breed. II. Ser., Gen., Pl. Br. & Cytol.) (451R92Ge)
Chekhov, V.
Kario-sistematicheskiĭ analiz triby Trifolieae D.C. (sem. Lugeminosae Juss.) (Karyo-systematical analysis of the tribe Trifolieae D.C. (fam. Leguminosae) Trudy Prikl. Bot., Gen. i Selek. Ser. II, Gen., Selek. i Tsitol. Rast. (Bull. Appl. Bot. Gen. & Plant-breed. II. Ser., Gen., Pl. Br. & Cytol.) 1:119-146. pl.i-vi. 1932.
Russian with English summary.

Trudy Prikl. Bot., Gen. i Selek. Ser. II, etc. (cont.)

Emme, E. K.

K izucheniiu tsitologii pentaploidnykh gibridov (Beitrag zur zytologie der pentaploiden haferbastarde) Trudy Prikl. Bot., Gen. i Selek. Ser. II, Gen., Selek. i Tsitol. Rast. (Bull. Appl. Bot., Gen. & Plant-breed. II. Ser., Gen., Pl. Br. & Cytol.) 1:169-176. ii pl. 1932.

Russian with German summary.

Emme, E. K.

Kariosistematicheskoe issledovanie ovsov sektsii. Euavena Griseb. (Karyosystematische untersuchung der section Euavena Griseb.) Trudy Prikl. Bot., Gen. i Selek. Ser. II, Gen., Selek. i Tsitol. (Bull. Appl. Bot. Gen. Plant-Breed. II. Ser., Gen., Pl. Br. & Cytol.) 1:147-168. vii pl. 1932.

Russian with German summary.

Kakhidze, N.

Izmenenie khromosom i obrazovanie khromosomnykh khimer pod vliianiem rentgenizatsii y Cephalaria syriaca Schrad. (Changes in the chromosomes and formation of chromosome chimaeras under the influence of x-ray treatment in Cephalaria syriaca) Trudy Prikl. Bot., Gen. i Selek. Ser. II, Gen., Selek. i Tsitol. Rast. (Bull. Appl. Bot., Gen. & Plant-breed. II, Ser., Gen., Pl. Br. & Cytol.) 1:177-187. iv pl. 1932.

Russian with English summary.

Senjaninova-Lorczagina, M. V.

Kariologicheskoe issledovanie voprosa o proiskhozhdenii bobov (V. faba L.) (Karyological investigation of the question of the origin of V. faba L.) Trudy Prikl. Bot., Gen. i Selek. Ser. II, Gen., Selek. i Tsitol. Rast. (Bull. Appl. Bot., Gen. & Plant-breed. II. Ser., Gen., Pl. Br. & Cytol.) 1:91-118. pl.ix-x. 1932.

Russian with English summary.

Senjaninova-Lorczagina, M.

Kario-sistematicheskoe issledovanie roda Aegilops L. (Karyo-systematical investigation of the genus Aegilops L.) Trudy Prikl. Bot., Gen. i Selek. Ser. II, Gen., Selek. i Tsitol. Rast. (Bull. Appl. Bot., Gen. & Plant-breed. II. Ser., Gen., Pl. Br. & Cytol.) 1:1-90. pl.v-xvi. 1932.

Russian with English summary.

Trudy Prikl. Bot., Gen. i Selek. Ser. II, etc. (cont.)

Vakar, B. A.

Tsitologicheskoe izuchenie mezhduvidovykh gibridov toda Triticum (Cytological study of the interspecific hybrids of the genus Triticum) Trudy Prikl. Bot., Gen. i Selek. Ser. II, Gen., Selek. i Tsitol. Rast. (Bull. Appl. Bot., Gen. & Plant-breed. II. Ser., Gen., Pl. Br. & Cytol.) 1:189-241. xi pl. 1932.

Russian with English summary.

Zaldastanishvili, S. G.

O khromozomakh chaǐnogo rasteniia Camellia sinensis (On the chromosomes of the tea plant, Camellia sinensis (L.) O. Ktze.) Trudy Prikl. Bot., Gen. i Selek. Ser. II, Gen., Selek. i Tsitol. Rast. (Bull. Appl. Bot., Gen. & Plant-breed. II. Ser., Gen., Pl. Br. & Cytol.) 1:242-250. illus. 1932.

Russian with English summary.

Trudy Sev. Kav. Inst. Spets. i Tekhn. Kul't. (Works No. Cauc. Inst. Spec. & Techn. Cult.) (Krasnodar) (20Se8)

Beketovskii, D. N.

K biologii zheltoi belladonny (Atropa paschkewiczi Kr..). (Zur biologie der gelben form der tollkirsche (Atropa paschkewiczi Kr.) Trudy Sev. Kav. Inst. Spets. i Tekhn. Kul't. (Works No. Cauc. Inst. Spec. & Techn. Cult.) 2:5-13. col. pl. 1932.

Russian with German summary.

Krugliakov, I. I.

K voprosu o soderzhanii efirnogo masla u perechnoǐ miaty (Mentha piperita L.) vo vremia razlichnykh stadiǐ ee razvitiia (Zur frage über den gehalt an ätherischen oele in der Mentha piperita L. besonders zur zeit der verschiedenen stadien ihrer entwicklung) Trudy Sev. Kav. Inst. Spets. i Tekhn. Kul't. (Works No. Cauc. Inst. Spec. & Techn. Cult.) 2:87-108. 1932.

Russian with German summary.

Palamarchuk, I.

K voprosu o neplodonoshenii perechnoǐ miaty (Mentha piperita L.) (Zur frage des nichtfruchttragen der pfefferminze (Mentha piperita L.) Trudy Sev. Kav. Inst. Spets. i Tekhn. Kul't. (Works No. Cauc. Inst. Spec. & Techn. Cult.) 2:14-27. illus. 1932.

Russian with German summary.

Trudy Zashch. Rast. II. Ser. Fitopat. (Bull. Plant Prot. II. Ser. Phytopath.) (Leningrad) (423.92L54P)

Borggardt, A. I.

Ocnovy postroenii͡a sisteny meropri͡iatiĭ po likvifatsii golovni v zernovom proizvodstve SSSR (Principles of the system of measures for the total destruction of smuts in the corn production of the USSR) Trudy Zashch. Rast. II Ser. Fitopat. (Bull. Plant Prot. II. Ser. Phytopath.) no.2. 78 p. illus. 1932.

Russian.

U. S. Dept. Agr. Circ. (1Ag84C)

Brooks, C.

Spoilage of stone fruits on the markets. U. S. Dept. Agr. Circ. 253. 11 p. illus. Ja.1933.

Darrow, G. M. & Waldo, G. F.

The Dorsett, Fairfax, and Narcissa strawberries. U. S. Dept. Agr. Circ. 257. 6 p. illus. Ja.1933.

Lambert, E. B.

Mushroom growing in the United States. U. S. Dept. Agr. Circ. 251. 34 p. illus. D.1932(Rec'd Ja.1933)

U. S. Dept. Agr. Off. Rec. (1Ag84Or)

Rust spores blown by wind from Mexico damage our Durum wheat. U. S. Dept. Agr. Off. Rec. 12:5. Ja.14,1933.

Wheat in certain localities in Minnesota, North Dakota, South Dakota affected.

Verh. Bot. Ver. Prov. Brandenb. (Berlin-Dahlem) (451B73V)

Libbert, W.

Die vegetationseinheiten der neumärkischen staubeckenlandschaft unter berücksichtigung der angrenzenden landschaften. Verh. Bot. Ver. Prov. Brandenb. 74:10-93. illus., 6 pl. on 3. My.1,1932. no.1.

Pilger, R.

Bromus lepidus Holmberg. Verh. Bot. Ver. Prov. Brandenb. 74:94. My.1,1932. no.1.

Zeitschr. Indukt. Abstamm. u. Vererbungsl. (Leipzig) (442.8Z34)

Baur, E.

Artumgrenzung und artbildung in der gattung Antirrhinum, sektion Antirrhinastrum. Zeitschr. Indukt. Abstamm. u. Vererbungsl. 63:256-302. illus., 2 pl. 1932. no.3.

Beadle, G. W.

A gene for sticky chromosomes in Zea mays. Zeitschr. Indukt. Abstamm. u. Vererbungsl. 63:195-217. illus., ii pl. 1932. no.3.

Navashin, M. S.

The dislocation hypothesis of evolution of chromosome numbers. Zeitschr. Indukt. Abstamm. u. Vererbungsl. 63:224-231. illus. 1932. no.3.

Navashin, M. S.

On the chromatin deficiency in Crepis leading to partial sterility and to formation of a heteromorphic chromosome pair. Zeitschr. Indukt. Abstamm. u. Vererbungsl. 63:218-223. illus. 1932. no.3.

Noack, K. L.

Ueber Hypericum-dreuzungen III. Rassen- und artkreuzungen mit einem buntblättrigen Hyperpericum acutum. Zeitschr. Indukt. Abstamm. u. Vererbungsl. 63:232-235. illus. 1932. no.3.

Zeitschr. Pilzk. (Leipzig) (450Z352)

Seidel, R.

Johann Baptista von Albertini 1769-1831. Zeitschr. Pilzk. 16(n.s.11):91. D.1932. no.4.

Zum 100 jährigen todestage des bekannten Nieskyer bischofs und mykologen.

Szemere,

Der tödlich-giftige heide-trichterling Clitocybe corda Schulzer. Zeitschr. Pilzk. 16(n.s.11):92-98. illus. D.1932. no.4.

Szulczewski, J. W.

Beiträge zur missbildung der hutpilze. Zeitschr. Pilzk. 16(n.s.11):98-100. illus. D.1932. no.4.

Villinger, W.

Der purpur-röhrling Boletus rhodoxanthus Krombh.-Koch. essbar! Zeitschr. Pilzk. 16(n.s.11):101-103. D.1932. no.4.

Exper. Stat. Publ.

Woodworth, C. M.
Genetics and breeding in the improvement of the soybean. Illinois Agr. Exp. Stat. Bull. 384:297-404. illus. N.1932. (100I16S)

Brown, H. B., Simon, E. C. & Smith, A. K.
Cotton root development in certain south Louisiana soils. Louisiana Agr. Exp. Stat. Bull. 232. 24 p. illus. D.1932(100L93)

Michigan agricultural experiment station
Botany. In its Report, two years ended June 30, 1932. p.18-20. [1932] (100M58S)
Mainly plant diseases.
E. A. Bessey, chief.

Peltier, G. L. & Schroeder, F. R.
The nature of resistance in alfalfa to wilt (Aplanobacter insidiosum L. Mc.) Nebraska Agr. Exp. Stat. Res. Bull. 63. 28 p. 12 pl. on 6. O.1932.(100N27)

Blake, M. A.
Facts about 36 varieties of peaches. New Jersey Agr. Expt. Stat. Circ. 262. [4] p. D.1932.(100N46S)

New York state agricultural experiment station
Division of botany. In its Ann. Rep. 51 (1931/32):31-43. 1933.(100N48)
F. C. Stewart, M. T. Munn, chiefs.
Mainly plant diseases.

Ohio agricultural experiment station.
Botany and plant pathology. In its Ann. Rep. 51 (1931/32 Bull.516):37-45. Ja.1933.(100Oh3)

Darrow, G. M. & Waldo, G. F.
The Narcissa strawberry. Oregon Agr. Exp. Stat. Circ. Inform. 79. 2 p. O.1932.(100Or3C)

Hoerner, G. R.
Crown treatments for hop downy mildew control. Oregon Agr. Exp. Stat. Circ. Inform. 80. 2 p. D.1932.(100Or3C)

Jones, S. E., Hill, W. H. & Bond, T. A.
Control of the bitterweed plant poisonous to sheep in the Edwards Plateau region. Texas Agr. Exp. Stat. Bull. 464. 23 p. illus. N.1932. (100T31S)

Exper. Stat. Publ. (cont.)

Heald, F. D.
Division of plant pathology. Ann. Rep. Washington Agr. Exp. Stat. 42(1931/32, Bull.275): 46-49. D.1932. (100W27E)

West Virginia agricultural experiment station
Plant pathology. Its Rep. 1931/32(Bull.254): 50-54. illus. D.1932. (100W52)
C. R. Orton, chief.

New Books.

Garcia Salas, J.
Plantas forrajeras cultivadas o de posible cultivo en Guatemala, por Jorege Garcia Salas. Guatemala, Impreso en la Tipografía nacional, 1932. (60G16)

Gershoy, A.
Descriptive notes for Viola exhibit, the Nominum and Chamaemelanium sections. Sixth International congress of genetics, Ithaca, N. Y., August 24-31, 1932. Burlington, Vermont agricultural experiment station, 1932. (97G32)

Heintze, A.
Handbuch der verbreitungsökologie der pflanzen, von Aug. Heintze. lfg. 1. Stockholm, Im selbstverlag, 1932. (463.8H366)

Herrera, F. L.
Plantarum Cuzcorum herrerarianum. Estudios sobre la flora del departmento del Cuzco. Lima, Sanmarti y Cia., 1930. (457.4H34P)

International congress of tropical agriculture, VI, Paris, 1931.
Congrès international d'agriculture tropicale et subtropicale. Paris, 1932. (26In86)
v.2, deals with plants.

Kamarov, V. L. & Klobukova-Alisova, E. N.
Opredelitel rastenii dal'nevostochnogo kraia (Key for the plants of the far eastern region of the USSR) 2 v. Leningrad, Akademiia nauk SSSR, 1931-32. (460.16K83K)

Marinesco, N.
Influence des facteurs électriques sur la végétation. Paris, Hermann et cie., 1932. (Actualités scientifiques et industrielles XXXVII. Exposés de biophysique publiés sous la direction de M. R. Wurmser, I) (463.36M33)

New Books. (cont.)

Müller, K.

Ueber die bedeutung des saponins für die systematisches stellung der araliaceen-gattungen Ohlau i Schl., Spezialdruckerei für dissertationen Dr. H. Eschenhagen, 1932. (463.2M91)

Inaug.-diss. Berlin.

Netolitzky, F.

Die pflanzenhaare. Berlin, Borntraeger, 1932. (Handbuch der pflanzenanatomie hrsg. von K. Linsbauer lfg. 29(Abt.1, teil 2, bd.IV) (463.4H194)

Oakes, H. N.

A brief sketch of the life and works of Doctor Augustin Gattinger. Nashville, Tenn., Cullom & Ghertner Co., 1932. (120G22)

Scotland. Dept. of agriculture.

Register of potato crop of varieties immune from wart disease inspected and certified during 1932. Edinburg, H. M. Stationary office, 1932. (75Sco3R)

Sibert, E.

Les caféiers de la Côte d'Ivoire I. Botanique et culture. Paris, Centre d'études coloniales, 1932. (Publ. Centre d'études coloniales no.1) (68.2Si1)

Silbersdorff, W.

Pollenanalytische und successionsbiologische untersuchungen über das Wierschutziner moor. Königsberg Pr., Steindruck von A. Wilutzky, 1931. (402.1Si3)

Inaug.-diss. Königsberg.

Reprinted from Unser Ostland v.1, h.7.

Su, M. T.

Report of the mycologist, Burma, Mandalay, for the year ending the 31st March, 1932. Rangoon, 1932. (464.9In24)

Zumbruch, H. J.

Ueber die bedeutung des saponins für die systematische gliederung der zygophyllaceen-gattungen. Berlin, Doktordruck-graphisches institut P. Funk, 1931. (463.2Z7)

Inaug.-diss. Berlin.

Reprints from Journals not yet rec'd or not available.

Kunkel, L. O.
Insect transmission of peach yellows. Preprint from Contr. Boyce Thomp. Inst. Plant Res. v.5, p.19-28. illus. 1933.

Overdijkink, G.
De iepenziekte Separate from Nederl. Boschb.-Tijdschr, 4: 389-391. D.1931. (Pamph.464.07Dv)

Richards, C. A.
Decay in buildings. Preprint from Proc. Amer. Wood Pres. Assoc. 29th Ann. Meet. 9 p. illus. [1933]

Translations filed in Library of Bur. of Plant Industry.

Brandenburg, E.
Eenige gevallen van physiologische ziekten der bieten I. (Some cases of physiological diseases of beets) Meded. Inst. Suikerbiet. Bergen om Zoom 1:89-104. Jl.1931.

Coelingh, W. M. & Koningsberger, V. J.
Suikervorming en rijpingsverloop bij suikerriet. II. Over zetmeelvorming in de bladeren van suikerriet (Sugar formation and the process of ripening of sugar cane. II. On the formation of starch in the leaves of the sugar cane) Arch. Suikerind. Nederl. Indië 1932, pt.3 (Meded.19): 1326-1340. 1932.

Medizsh, M. N.
Das'ledvan'ne khvarob lënu u BSSR, u 1929 i chastkova 1930 g.g. (Investigation of flax diseases in BSSR, in the years, partly 1930) Bull. Gorky State Agr. Exp. Stat. Phytop. Div. no.42/44. 30 p. 5 pl. S.1930.
42. The flax crops and seed infection, by M.N. Medizsh. 43. On the true cause of "flax root rust" (red spottiness of flax), by J.S. Raro. 44. Experiments on flax-seed disinfection, by M.N. Medizsh & J.S. Raro.

Schaffnit, E.
Der gegenwärtige stand der forschung über viruskrankheiten (The present state of investigations of virus diseases) Beitr. Pflanzenzucht. 9:25-41. 1927.

BOTANY

CURRENT LITERATURE

LIBRARY
RECEIVED
★ MAR 1 - 1933 ★
U. S. Department of Agriculture

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY.
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C.

Vol. 15, no. 3. Jan.30-Feb.11, 1933.

Agr. Gaz. N.S.W. (Sydney) (23N472)

Birmingham, W. A.
Another fungus attacking apple stocks. Sclerotium rolfsii Sacc. recorded on Northern Spy in New South Wales. Agr. Gaz. N.S.W. 44: 58-60. illus. Ja.1, 1933. no.1.

Macindoe, S. L.
Leaf rust of wheat. Observations at Glen Innes. Agr. Gaz. N.S.W. 44: 35-39. Ja.1, 1933. no.1.

Agron. Colon. (Paris) (26Ag812)

Ledreux, A.
La culture des caféiers à Madagascar. Agron. Colon. 22: 7-20. pl. iii. Ja.1933. no.181.

Amer. Fern Journ. (450Am35)

Palmer, E. J. & Steyermark, J. A.
The ferns and fern allies of Missouri. Amer. Fern Journ. 22:105-122. illus. O./D.1932. no.4.

Palmer, T. C.
[Isoetes storkii]. Amer. Fern Journ. 22: 136. O./D. 1932. no.4.
Substitution of name I. storkii n.sp. for previously named n.sp., I. montana.

Palmer, T. C.
More about Isoetes lechleri Mett. Amer. Ferm Journ. 22: 129-132. O./D.1932. no.4.

Schaffner, J. H.
Diagnostic key to the species of Equisetum. Amer. Fern Journ. 22: 122-128. O./D. 1932. no.4.

Amer. Journ. Bot. (450Am36)

Buchholz, J. T.
The anatomy of the embryo of Cedrus in the dormnant stage. Amer. Journ. Bot. 20: 35-44. illus. Ja.1933. no.1.

Amer. Journ. Bot. (cont.)

Herrick, E. M.

Seasonal and diurnal variations in the osmotic values and suction tension values in the aerial portions of Ambrosia trifida. Amer. Journ. Bot. 20: 18-34. Ja.1933. no.1.

Höhnk, W.

Polyplanetism and zoöspore germination in Saprolegniaceae and Pythium. Amer. Journ. Bot. 20: 45-62. illus., pl.1. Ja. 1933. no.1.

La Rue, C. D.

Intumescences on poplar leaves. I. Structure and development. Amer. Journ. Bot. 20: 1-17. illus. Ja.1933. no.1.

Sparrow, F. K.

Observations on operculate chytridiaceous fungi collected in the vicinity of Ithaca, N.Y. Amer. Journ. Bot. 20: 63-77. illus., pl.2-3. Ja. 1933. no.1.

Amer. Orchid Soc. Bull. (80Am329)

Ames, O.

Insect visitors to Cypripedium parviflorum. Amer. Orchid Soc. Bull. 1: 91. D.1932. no.3.

Henry Shaw 1800-1889. Amer. Orchid Soc. Bull. 1: 78-81. port. D.1932. no.3.

Lumsden, D.

The Orchidaceae. Amer. Orchid Soc. Bull. 1: 82-85. illus. D.1932. no.3.

Ann. Gembloux (Brussels) (13G28)

Verplancke, G.

Experiences sur la transmission des maladies de dégénérescence de la pomme de terre. III. Résultats des essais faits en 1932. Ann. Gembloux 39: 12-23. Ja.1933. no.1.

Ann. Parasit. Humaine et Comp. (Paris) (436.8An7)

Ota, M. & Huang, P.

Sur les champignons du genre Pityrosporum Sabouraud. Ann. Parasit. Humaine et Comp. 11: 46-69. illus. Ja.1, 1933. no.1.

Ann. Sci. Nat. Bot. (Paris) (450An75)

Costantin, J., Lebard, P. & Magrou, J.

Expériences sur la culture en montagne de la pomme de terre. Ann. Sci. Nat. Bot. X,14: 327-340. ii pl. D.1932. no.2.

Ann. Sci. Nat. Bot. (cont.)

Costantin, J.

L'origine des premières flores terrestres. Ann. Sci. Nat. Bot. X, v.14, fasc.2. p.i-xxvii. illus. D.1932.

A l'occasion de la publication de l'ouvrage de paléontologie végétale de A.C. Seward: Plant life through the ages.

Arch. Suikerind. Nederl. Indië (Meded.) (Soerabaja) (65.8Ar2)

Honert, T.H. van den

Onderzoekingen over de voedingsphysiologie van het suikerriet. I- Arch. Suikerind. Nederl. Indië 1932, pt.3 (Meded.23): 1539-1608. illus. 1932.

Atti R. Accad. Naz. Lincei VI, Rend. Cl. Sci. Fis. Mat. e Nat. (Rome) (507R66)

Mezzadroli, G. & Amati, A.

Azione di alcuni alcaloidi sullo sviluppo dell' Aspergillus niger. Atti R. Accad. Naz. Lincei VI, Rend. Cl. Sci. Fis., Mat. e Nat. 16: 366-369. 1932. no.7/8.

Bergcultures (Batavia, Java) (22.5B45)

Jong, J. K. de

Bijdragen tot an anatomie van de theeplant IV. Bergcultures 6: 1447-1449. illus. D.31, 1932. no.53.

Bibl. Mat. Bibliotheka Vses. Inst. Rast. (Bibl. Contr. Libr. Inst. Plant Ind. Leningr. (241L54)

Fermeren, N. O.

Topinambur (Helianthus tuberosus L.) spisok litertury (List of publications on Jerusalem artichoke... Bibl. Mat. Biblioteka Vses. Inst. Rast. (Bibl. Contr. Libr. Inst. Plant Ind. Leningr.) no.1. 48 p. 1932.

Biochem. Zeitschr. (Berlin) (384B522)

Bernhauer, K., Böckl. N. & Siebenäuger, H.

Ueber die säurebildung aus zucker durch Aspergillus niger. V. Die bildung von äpfelsäure neben citronensäure. Biochem. Zeitschr. 253: 37-41. S.21, 1932. no.1/3.

Bernhauer, K.

Zum chemismus der durch Aspergillus niger bewirkten säurebildingsvorgänge. VI-IX. Biochem. Zeitschr. 253: 10-15, 16-24, 25-29, 30-36. S.21, 1932. no.1/3.

Z. Scheuer joint author VI, N. Böckl, VII-VIII, H. Thelan, IX.

Biochem. Zeitschr. (cont.)

Herndlhofer, E.
Eine kurze orientierung über den enzymgehalt der kaffeepflanze. Biochem. Zeitschr. 255: 230-246. N.10, 1932. no.1/3.

Iwanoff, N. N.
Ueber die veranderlichkeit des fermentgehalts in samen und früchten. Biochem. Zeitschr. 254: 71-87. O.17, 1932. no.1/3.

Keding, E.
Ueber den gesamtsteringehalt von cerealien und hülsenfrüchten sowie die wege seiner ermittlung. Biochem. Zeitschr. 254: 374-380. D.24, 1932. no.4/6.

Klein, G. & Tauböck, K.
Argininstoffwechsel und harnstoffgenese bei höheren pflanzen. II. Biochem. Zeitschr. 255: 278-286. N.25,1932. no.4/6.

Klein, G.
Beiträge zum chemismus pflanzlicher tumoren. I-III. Biochem. Zeitschr. 254: 251-255, 256-263, 264-285. illus. O.24, 1932. no.4/6.
E. Keyssner joint author I, W. Ziese, III.

Magistris, H.
Zur biochemie und physiologie organischer phosphorverbindungen in pflanzen und tier. III-IV. Biochem. Zeitschr. 253: 64-80, 81-96. S.21, 1932. no.1/3.
III Ueber den austritt von anorganischem und organischem phosphor aus pflanzenzellen unter verschiedenen bedingungen. IV. Ein beitrag zur frage des einflusses von tierischen und pflanzlichem lecithin auf die diffusion von säuren und alkalien in gallerten.

Oparin, A. & Risskina, S.
Ueber aktivität der amylase in den blättern der zuckerrübe. Biochem. Zeitschr. 252: 8-15. Ag.20, 1932. no.1/3.

Stern, K. G. & Stern, E.
Ueber die proteinasen insektivoren pflanzen. Biochem. Zeitschr. 252: 81-96. Ag.20, 1932. no.1/3.

Biochem. Zeitschr. (cont.)
Vita, N. & Sandrinelli, R.
Ueber die ausnützung atmosphärischen stickstoffs durch keimenden samen. II-III. Biochem. Zeitschr. 252: 278-291. S.7, 1932; 255: 82-87. N.10,1932. no.4/6, 1/3.
II. Beobachtungen an keimenden hülsenfruchtsamen in gegenwart von alkaloiden. III. [no sub-title]

Blätt. Pflanzenb. u. Pflanzenzücht. (Tetschan) (450B61)
Oberstein, O.
Das problem der umstellung auf krebsfeste kartoffelsorten. Blatt. Pflanzenb. u. Pflanzenzücht. 10: 4-9. Mr.1932. no.1.

Bot. Közlem. (Budapest) (450N85)
Beke, O.
Néhány magyar növénynév származása. Bot. Közlem. 29: 139-147. 1932. no.5/6.

Fehér, J.
Budapest télen virító és zölden kitelelö növényei (Die im winter blühenden und grün überwinternden pflanzen von Budapest). Bot. Közlem. 29: 147-150 1932. no.5/6.
Brief German summary: p.150.

Hollandonner, F.
Az aradi vértanúk bitófáinak xylotomiai vizsgálata. Bot. Közlem. 29: 151-152. 1932. no.5/6.

Jávorak, S.
Apró közlemémyek a magyar flóra köreböl.(Kleinere mitteilungen über die flora v. Ungarn) II. Bot. Közlem. 29: 154-155. 1932. no.5/6.

Margittai, A.
Az északkeleti kärpátok Centaureái. Centaureae carpatorum septemtrionali-orientalium. Bot. Közlem. 29: 133-138. 1932. no.5/6.

Rapaics, R.
Az általános növénytan kezdetei magyarországon. (Die anfänge der allgemeinen botanik in Ungarn). Bot. Közlem. 29: 101-108. 1932. no.5/6.
German summary: p.108.

Soó, R.
Kritikai megjegyzések és újabb adatok a magyar flóra ismeretéhez (Kritische bemerkungen und neue beiträge zur kenntnis der ungarischen flora IV. Bot. Közlem. 29: 122-132. 1932. no.5/6.

Bot. Közlem. (cont.)

Trautmann, R.

Bolgár mentá̇k. (Bulgarische minzen). Bot. Közlem. 29: 109-121. 1932. no.5/6.

German summary: p.117-121.

Zólyomi, B.

Adatok a Hanság flórajához. (Beiträge zur flora des "Hanság"). II. Bot. Közlem. 29: 153-154. 1932. no.5/6.

Bull. Fan Mem. Inst. Biol. (442.9F21)

Tang, T.

Preliminary study on Cyperaceae of Hopei. Bull. Fan Mem. Inst. Biol. 3: 133-147. Mr.11, 1932. no.2.

Tang, Y.

Timber studies of Chinese trees. I-II. Bull. Fan Mem. Inst. Biol. 3:127-131, 157-206, plates. Je.15, Jl.4, 1932. no.10,13.

I. Timber anatomy of Rhoipteleaceae. II. Identification on some important hardwoods in northern China by their gross structures.

Bull. Min. Agr. Egypt Techn. & Sci. Serv. (24Eg93)

Fikry, A.

Investigations on the wild disease of Egyptian cotton caused by various species of Fusarium. Bull. Min. Agr. Egypt Techn. & Sci. Serv. no.119. 106 p. xvi pl. 1932.

F. orthoceras, F. vasinfectum inodoratum, F. angustum.

Bull. Pennsylvania Dept. For. & Waters. (99.9P38B)

Perry, G. S.

The common trees and shrubs of Pennsylvania, native and introduced. Bull. Penn. Dept. For. & Waters. no.33, rev. 127 p. illus. 1932.

Originally issued with title: How to know the common trees and shrubs of Pennsylvania.

Bull. Sci. Pharm. (Paris) (396.8B872)

Lobstein, J. E. & Weill, A.

La racine de palmier nain, falsification de la salsepareille. Bull. Sci. Pharm. 39: 657-663. illus. D.1932. no.12.

Bull. Soc. Bot. France. (Paris) (451F84B)

Batard, Ch.
Phytoplancton estival des cours d'eau de la région de Saint-Malo. Bull. Soc. Bot. France 79: 603-612. illus. D.24, 1932. no.7/8.

Bouly de Lesdain, M.
Notes lichenologiques no. XXVI. Bull. Soc. Bot. France 79: 686-688. D.24, 1932. no.7/8.

Briquet, J.
Note sur le Carex alpestris Lamck. Bull. Soc. Bot. France 79: 583-585. D.24, 1932. no.7/8.

Chouard, P.
Associations végétales des forêts de la vallée de l'Apance (Haute-Marne). Bull. Soc. Bot. France 79: 617-634. D.24, 1932. no.7/8.
Application de l méthode statistique à l'étude des groupements de plantes.

Colin, H.
Chimisme spécifique et hybridation chez le Iris. Bull. Soc. Bot. France 79: 578-580. D.24, 1932. no.7/8.

Dedrock, E.
Sur une localité nouvelle et la distribution géographique du Linosyris vulgaris Cass. en Provence. Bull. Soc. Bot. France 79: 612-615. D.24, 1932. no.7/8.

Fournier, P.
Quelques espèces meconnues de la plaine française. Bull. Soc. Bot. France 79: 593-599. D.24, 1932. no.7/8.

Fournier, P.
Sur la stérilité du Calystegia dahurica Choisy. Bull. Soc. Bot. France 79: 634-635. D.24,1932. no.7/8.

Gard, M.
A propos du Navicula subsalina Donken. Bull. Soc. Bot. France 79: 581-583. D.24,1932. no.7/8.

Gard, M.
L'herbier de Pourret. Bull. Soc. Bot. France 79: 635-637. D.24, 1932. no.7/8.

Bull. Soc. Bot. France. (cont.)

Genty, P.

Florules des ilots granitiques des environs de Dijon. Bull. Soc. Bot. France 79: 667-686. D.24, 1932. no.7/8.

Guillaumin, A.

Matériaux pour la flore de la Nouvelle-Calédonie. XXXI. Révision des anonacées. Bull. Soc. Bot. France 79: 689-691. D.24, 1932. no.7/8.

Lemée, G.

Études phytogéographiques sur les plaines jurassiques normandes. Les pelouses xérophiles calcaires. Bull. Soc. Bot. France 79: 637-650. D.24, 1932. no.7/8.

Rocher, E.

Note sur quelques plantes présumées hybrides. Bull. Soc. Bot. France 79: 585-593. illus. D.24, 1932. no.7/8.

x Muscari comosum+ramosum, x Campanula barbata+Trachelium, x Eryngium maritimum+campestre, x Linaria alpina+supina var. pyrenaica.

Soo, R. de.

Formes, distribution et genèse du mélèze européen. Bull. Soc. Bot. France 79: 651-667. illus. D.24, 1932. no.7/8.

Verguin, L.

Cistus rodiei hybride nouveau. Bull. Soc. Bot. France 79: 600-603. illus. D.24, 1932. no.7/8.

Bull. Torr. Club (451T63B)

Berry, E. W.

A Protolepidodendron from the Devonian of Virginia. Bull. Torr. Club 60: 73-75. pl.7. F.1933. no.2.

Schaffner, J. H.

The production of vestigial and sterile sex-organs through sex-reversal and neutral sexual states. Bull. Torr. Club 60: 89-97. pl.8. F.1933. no.2.

Smith, A. C.

Studies in South American plants. III. Bull. Torr. Club 60: 99-121. F.1933. no.2.

III. New Ericaceae and Vacciniaceae.

Zade, A. & Arland, A.

The relation of host and pathogen in Ustilago avenae: a reply. Bull. Torr. Club 60: 77-87. F.1933. no.2.

Translated by E.C. Stakman (transl. rev. by E. Artschwager)

Cactus & Succ. Journ. (Los Angeles) (451C11)

Baxter, E. M.

Sectional division of the genus Opuntia II. Cactus & Succ. Journ. 4: 298-299. illus. Ja.1933. no.7.

Britton, N. L.

The flowers of Opuntia hanburyana Weber. Cactus & Succ. Journ. 4: 297. illus. Ja.1933. no. 7.

Croizat, L.

A list of annotated observations on the remarks of Dr. K. von Poellnitz concerning A. Berger's classification of succulent Euphorbiae. Cactus & Succ. Journ. 4: 291-293, 308-310. illus. D.1932. Ja. 1933. no.6, 7.

Johansen, D. A.

Contributions towards a monograph of the genus Dudleya IV-V. Cactus & Succ. Journ. 4: 302-303, 311-312. illus. D.1932, Ja.1933. no.6-7.

D. albiflora, D. brittonii, D. viridicata.

Note regarding Dudleya regalis. Cactus & Succ. Journ. 4: 307. Ja. 1933. no.7.

White, A. & Sloane, B.L.

The Stapelieae (concl.). Cactus & Succ. Journ. 4: 294-296, 315-318. illus. D.1932, Ja. 1933. no.6-7.

15-16. Trichocaulons and Hoodias.

O Campo (Rio de Janeiro) (9.9C15)

Martina, G.

Estudo chimico sobre algumas frutas brasileiras. O Campo 3: 70-71. illus. O.1932. no.10.

Achras sapota.

Canad. Hort. (Peterboro, Ont.) (80C16)

Berkeley, G. H.

Some observations regarding apple scab. Canad. Hort. 56: 27-28. F.1933. no.2.

Compt. Rend. Acad. Sci. Paris (505P21)

Daniel, L.

Sur des modifications de la fonction de réserve chez divers végetaux soumis à l'arrosage intermittent. Compt. Rend. Acad. Sci. Paris 196: 79-83. illus. Ja.9,1933. no.2.

Compt. Rend. Acad. Sci. Paris. (cont.)

Duché, J.

De l'obtention de clones à propriétés fixes chez les Actinomyces. Compt. Rend. Acad. Sci. Paris 196: 128-129. Ja.9, 1933. no.2.

Fourcroy, M.

Action indirecte des traumatismes sur l'évolution de l'appareil conducteur. Compt. Rend. Acad. Sci. Paris 196: 210-212. Ja.16,1933. no.3.

Contr. Boyce Thomps. Inst. Plant Res. (451B69)

Denny, F. E.

Eliminating the use of calcium carbonate in preparing plant tissue for analysis. Contr. Boyce Thomp. Inst. Plant Res. 5: 103-114. Ja./Mr. 1933. no.1.

Denny, F. E.

Oxygen requirements of Neurospora sitophila for formation of perithecia and growth of mycelium. Contr. Boyce Thomp. Inst. Plant Res. 5: 95-102. illus. Ja./Mr. 1933. no.1.

Flemion, F.

Dwarf seedlings from non-after-ripened embryos of Rhodotypos kerrioides. Contr. Boyce Thomp. Inst. Plant Res. 5: 161-165. illus. Ja./Mr. 1933. no.1.

Flemion, F.

Physiological and chemical studies of after-ripening of Rhodotypos kerrioides seeds. Contr. Boyce Thomp. Inst. Plant Res. 5: 143-159. illus. Ja./Mr. 1933. no.1.

Jensen, J. H.

Leaf enations resulting from tobacco mosaic infection in certain species of Nicotiana L. Contr. Boyce Thomp. Inst. Plant Res. 5: 129-142. illus. Ja./Mr. 1933. no.1.

Kunkel, L. O.

Insect transmission of peach yellows. Contr. Boyce Thomp. Inst. Plant Res. 5: 19-28. illus. Ja./Mr.1933. no.1.

Miller, L. P.

Effect of sulphur compounds in breaking the dormancy of potato tubers and in inducing changes in the enzyme activities of the treated tubers. Contr. Boyce Thomp. Inst. Plant Res. 5: 29-81. illus. Ja./Mr.1933. no.1.

Contr. Boyce Thomp. Inst. Plant Res. (cont.)

Zimmerman, P.W., Crocker, W. & Hitchcock, A.E.

Initiation and stimulation of roots from exposure of plants to carbon monoxide gas. Contr. Boyce Thomp. Inst. Plant Res. 5: 1-17. illus. Ja./Mr. 1933. no.1.

Flora (Jena) (450F66)

Freisleben, R.

Untersuchungen über bildung und auflösung von cystolithen bei den Urticales. Flora 127 (n.s.27): 1-45. illus. 1933. no.1.

Schmelzeisen, W.

Beiträge zur entwicklungsgeschichte der prothallien einiger marattiaceen, cyatheaceen und polypodiaceen. Flora 127(n.s.27): 46-79. illus., pl.i-v. 1933. no.1.

Schnee, L.

Einiges über die beziehungen zwischen blütenbildung und tod der hapaxanthischen pflanzen. Flora 127(n.s. 27): 81-92. illus. 1933. no.1.

Flor. Exch. (N.Y.) (80F666)

Griffiths, D. & Wright, R. C.

Early flowering of the Coral lily. Flor. Exch. 81: 17. illus. F.4, 1933. no.5.

L. tenuifolium.

Flow. Grow. (Calcium, N.Y.) (80M72)

Archie, D. W.

Some plants for the shady rock-garden. Flow. Grow. 20: 53. illus. F.1933. no.2.

Carloss, S.

The Great Smoky Mountains National Park. Flow. Grow. 20: 48-50. illus. F.1933. no.2.

Gard. Chron. (London) (80G162)

Berckmüller, F.

Iris germanica, Linn. Gard. Chron. III, 93: 60-61. Ja.28, 1933. no.2405.

A hybrid between Iris aphylla, Linn. I. pallida, Lam.

Brown, N. E.

Gladiolus rogersii, Baker. (Syn. G. bolusii var. burchellii, Bolus f., and G. burchellii, Ingram.) Gard. Chron. III, 93: 27. Ja.14, 1933. no.2403.

Gard. Chron. (cont.)

Cotyledon oppositifolia. (syn. C. simplicifolia). Gard. Chron. III, 93: 25. Ja.14, 1933. no.2403.

Gardner, R.C. B.

Sodium chlorate as a weed-killer. (concl.) Gard. Chron. III, 93: 47-48. Ja.21, 1933. no.2404.

Grove, A.

Lilies in 1932. Gard. Chron. III, 93: 40-41. illus. Ja.21, 1933. no.2404.

Hooper, C. H.

The insect visitors of fruit blossoms. Gard. Chron. III, 93: 63-64. Ja.28, 1933. no.2405.

Maxwell, J. S.

Autumn leaves and berries. Gard. Chron. III, 93: 62-63. Ja.28, 1933 no.2405.

Redgrove, H. S.

Sweet cicely. Gard. Chron. III, 93: 60. Ja.28, 1933. no.2405.

Smith, E. H.

Tomato mildew control. Gard. Chron. III, 93: 46-47. illus. Ja.21, 1933. no.2404.

Ward, F. K.

Mr. F. Kingdon Ward's eleventh expedition in Asia. XXI. That first week end in June. Gard. Chron. III, 93: 42-43. illus. Ja.21, 1933. no.2404.

Gard. Chron. Amer. (80G1632)

Frye, E. M.

Plant hunting on Mt. Angeles. Gard. Chron. Amer. 37: 34-36, 52. illus. F.1933. no.2.

Gartenw. (Berlin) (80G196)

Frenz, P.

Ficus bargolensis, eine neue gummibaum-art für marktkultur. Gartenw. 37: 7. Ja.6, 1933. no. 1.

Schindler, O.

Wurzelwachstum verschiedener erdbeersorten. Gartenw. 37: 10-11. illus. Ja.6, 1933. no.1.

Sommer, H.

Nochmals: Mosaikkrankheit an kakteen. Gartenw. 37: 37-38. illus. Ja.20, 1933. no.3.

Mosaic on Abutilon megapotamicum.

Hadar (Jaffa) (80H11)
Reichert, I. & Hellinger, E.
Blemishes and their influence on the keeping quality of oranges. Hadar 5: 287-292. illus. D.1932. no.12.

Hawaiian Plant. Rec. (Honolulu) (25H311)
Wadsworth, H. A.
Further observations upon the relation between cane elongation and soil moisture. Hawaiian Plant. Rec. 36: 423-433. 2 pl. on 1. 1932. no.4.

Hedwigia. (Dresden) (450H35)
Grosmann, H.
Ueber die systematischen beziehungen der gattung Leptographium Lagerberg et Melin zur gattung Ceratostomella Sacc.nebst einigen bemerkungen über Scopularia venusta Preuss und Hantzschia phycomyces Awd. Hedwigia 72: 183-194. illus. D.1932. no.6.

Herzog, T.
Beiträge zur kenntnis der gattung Plagiochila. I. Neotropische arten. Hedwigia 72: 195-242. illus. D.1932. no.6.

Wallner, J.
Zur klärung der frage nach dem morphologischen wert der protonemabäumchen von Georgia pellucida. Hedwigia 72: 175-182. illus. D.1932. no.6.

Indische Mercuur. (Amsterdam) (286.8In2)
Jochems, S. C. J.
Eenige gegevens over balsa-hout op Sumatra's oostkust. Indische Mercuur 56:49-50. illus. Ja.25, 1933. no.4.

Izv. Leningr. Inst. Bor. Vred. Sel. i Lesn. Khoz. (Bull. Leningr. Inst. Contr. Farm. & For. Pests) (423.92L543)
Beliaev, I. A.
Fitopatologicheskoe i anatomicheskoe issledovanie drevesiny fistashki (Pistacia vera L.) (A pathological and anatomical investigation of Pistacia vera L. wood). Izv. Leningr. Inst. Bor. Vred. Sel. i Lesn. Khoz. (Bull. Leningr. Inst. Contr. Farm. & For. Pests) 3: 89-108. illus. 1932.
Russian with English summary.

Izv. Leningr. Inst. Bor. Vred. Sel. i Lesn. Khoz. (Bull. Leningr. Inst. Contr. Farm. & For. Pests) (cont.)

Sil'vestrov, A. D.
O zarazhenii gribnymi vrediteliami kruglogo lesa i pilomaterialov na skladalh Kuznetskogo raiona Sredne-Volzhskogo kraia (On the infection of round timber and sawed materials by fungous pests in storage in the Kuznetzk region of the middle Volga district). Izv. Leningr. Inst. Bor. Vred. Sel. i Lesn. Khoz. (Bull. Leningr. Inst. Contr. Farm. & For. Pests) 3: 79-87. 1932.
Russian with English summary.

Vanin, S. I. & Vladimirskaja, N.N.
K biologii domovykh gribov (On the biology of the fungi Merulius lacrymans and Coniophora cerebella). Izv. Leningr. Inst. Bor. s Vred. Sel. i Lesn. Khoz. (Bull. Leningr. Inst. Contr. Farm. & For. Pests) 3: 57-74. illus. 1932.
Russian with English summary.

Vanin, S. I. & Vladimirskaja, N.N.
K voprosu o vliianii nekotorykh zasypok na razvitie domovykh gribov v drevesine postroek (On the effect of certain filling substances on the development of the fungi Merulius lacrymans and Coniophora cerebella in worked timbers in buildings). Izv. Leningr. Inst. Bor. Vred. Sel. i Lesn. Khoz. (Bull. Leningr. Inst. Contr. Farm. & For. Pests) 3: 39-43. 1932.
Russian with English summary.

Vanin, S. I.
Materialy po izucheniiu okraski drevesiny, vyzyvaemoĭ gribami i khimicheskimi prichinami (Materials relating to the study of the colouring of wood caused by fungi and chemical effects. Izv. Leningr. Inst. Bor. Vred. Sel. i Lesn. Khoz. (Bull. Leningr. Inst. Contr. Farm. & For. Pests) 3: 3-37. illus. 1932.
Russian with English summary.

Vanin, S. I., Andreev, I.E. & Skolov, D.V.
O vliianii domovykh gribov na drevesinu, okrashennuiu maslianyni kraskami i lakami (On the effect of wood destroying fungi on wood coated with paint and varnish). Izv. Leningr. Inst. Bor. Vred. Sel. i Lesn. Khoz. (Bull. Leningr. Inst. Contr. Farm. & For. Pests) 3:45-56. illus. 1932.
Russian with English summary.

Izv. Leningr. Inst. Bor. Vred. Sel. i Lesn. Khoz. (Bull. Leningr. Inst. Contr. Farm. & For. Pests) (cont.)

Vladimirskaja, N.N.

Razushaemost kamyshitov pod vliianiem zhiznedeiatel'nosti domovykh gribkov Merulius lacrymans Schum. i Coniophora cerebella Schr. (The liability of reed mats to destruction under the effect of the life activity of the fungi Merulius lacrymans and Coniophora cerebella). Izv. Leningr. Inst. Bor. Vred. Sel. i Lesn. Khoz. (Bull. Leningr. Inst. Contr. Farms & For. Pests). 3: 75-78. illus. 1932.

Russian.

Jahrb. Wiss. Bot. (Leipzig) (450P93J)

Frey-Wyssling, A.

Der milchsafterguss von Hevea brasiliensis als blutungserscheinung. Ein beitrag zur druckstromtheorie. Jahrb. Wiss. Bot. 77: 560-626. illus. Ja.1933. no.4.

Graze, H.

Die chromosomalen verhältnisse in der sektion Pseudolysimachia Koch der gattung Veronica. Jahrb. Wiss. Bot. 77: 507-559. illus. Ja.1933.

Söding, H.

Ueber das wachstum der infloreszensschäfte. Jahrb. Wiss. Bot. 77: 627-656. illus. Ja.1933. no.4.

Experiments with Heliopsis laevis, Cephalaria and Muscari racemosum.

Journ. Agr. Prat. (Paris) (14J82)

Friedberg, L.

La jarovisation des blés. Journ. Agr. Prat. 97(1): 10-12. Ja.7, 1933. no.1.

Journ. Amer. Pharm. Assoc. (Easton, Pa.) (396.9Am33J)

Viehoever, A.

Pioneering in plant chemistry. Journ. Amer. Pharm. Assoc. 22: 46-49. Ja.1933. no.1.

Journ. Arnold Arb. (Cambridge, Mass.) (451Ar6J)

Guillaumin, A.

Contributions to the flora of the New Hebrides. plants collected by S.J. Kajewski in 1928 and 1929(suppl.) Journ. Arnold Arb. 14: 53-61. Ja.1933. no.1.

Journ. Arnold Arb. (cont.)

Hatch, A. B. & Doak, K. D.
Mycorrhizal and other features of the root systems of Pinus. Journ. Arnold Arb. 14: 85-99. illus., pl. 57-60. Ja.1933. no.1.

McKelvey, S. D. & Sax, K.
Taxonomic and cytological relationships of Yucca and Agave. Journ. Arnold Arb. 14: 76-81. pl.55. Ja.1933. no.1.

Rehder, A. & Kobuski, C. E.
An enumeration of the herbaceous plants collected by J.F. Rock for the Arnold Arboretum. Journ. Arnold Arb. 14: 1-52. Ja.1933. no.1.

Rehder, A.
A supplement to C.T. White "Ligneous plants collected in the territory of Papua (British New Guinea) in 1925-26 by L.J. Brass". Journ. Arnold Arb. 14: 62-67. Ja.1933. no.1.

Sax, K.
Chromosome numbers in Ulmus and related genera. Journ. Arnold Arb. 14: 82-84. pl.56. Ja.1933. no.1.

Yarnell, S. H.
Inheritance in an oak species hybrid. Journ. Arnold Arb. 14: 68-75. illus. Ja.1933. no.1.
Q. virginiana (live oak) x Q. lyrata (overcup oak)

Journ. Bot. (London (450J82)

Barnes, B. F.
Notes on Lathyrus aphaca L. Journ. Bot. 71: 10-15. illus. Ja.1933. no.841.

Chater, E. H.
Corynephorus canescens Beauv. on the Moray coast. Journ. Bot. 71: 15-16. Ja.1933. no.841.

Drabble, E.
Note on Chenopodium glaucum L. Journ. Bot. 71: 7-9. Ja.1133. no.841.
Examination of plants from many parts of Europe has failed to find any with keeled seeds.

Gilmour, J. S. L.
Notes from Glamorgan. Rumex rupestris Le Gall. Journ. Bot. 71: 16-17. Ja.1933. no.841.

Journ. Bot. (cont.)

Hitchcock, A.S.

Remarks on type-specimens, and on a new species of grass from Hawaii. Journ. Bot. 71: 3-7. Ja.1933. no.841.

Panicum ramosum n.sp.

Marsden-Jones, E. M.

Alleged change of colour in Primula vulgaris. Journ. Bot. 71: 17. Ja.1933. no.841.

Mr. John Gossweiler's plants from Angola and Portuguese Congo.

Dicotyledones, Polypetalae (cont.) Journn. Bot. 71(suppl.): 229-236. illus. Ja.1933. no.841.

Eriosema gossweileri, Laurembergia gossweileri Combretum acutifolium, Bupleurum angolense, n.spp.

Weiss, F. E.

Karl Eberhard ritter von Goebel. Journ. Bot. 71: 1-3. Ja.1933. no.841.

Journ. Dept. Agr. Kyushu Imp. Univ. (Fukuoka, Japan) (107,6K995)

Köketsu, R.

Studien über die wasserverhältnisse, insbesondere die hygroskopische wasseraufnahme des gewebepulvers mit berücksichtigung des wasserhaushaltes im pflanzenkörper. Journ. Dept. Agr. Kyushu Imp. Univ. 3: 149-178. illus. D.24, 1932. no.7.

Journ. Dept. Agr. Victoria (Melbourne) (23V66J)

Adam, D. B.

Bacterial blight of beans. Its nature and control. Journ.Dept.Agr. Victoria 31: 1-4. illus. Ja.1933. no.1.

Barnard, C. & Read, F. M.

Studies of growth and fruit bud formation. III-IV. Journ. Dept. Agr. Victoria 31: 37-44, 44-52. illus. Ja.1933. no.1.

III. A year's observations on Victorian plums. IV. A year's observations on growth and fruit bud formation in the apricot and peach.

Journ. For. (Washington, D.C.) (99.8F768)

Mielke, J.L. & Hansbrough, J.R.

Susceptibility to blister rust of the two principal Ribes associates of sugar pine. Journ. For. 31: 29-33. Ja.1933. no.1.

Journ. Indian Chem. Soc. (Calcutta) (385In27)
Siddiqui, S. & Siddiqui, R. H.
The alkaloids of Rauwolfia serpentina, Benth, I. Journ. Indian Chem. Soc. 9: 539-544. N. 1932. no.11.

Journ. N.Y. Bot.Gard. (89N48J)
[Morris arboretum]. Journ. N.Y. Bot.Gard. 34: 20-21. Ja.1933. no.397.
Morris arboretum to be maintained by Morris Foundation bequeathed to University of Pennsylvania by Lydia T. Morris.

Rusby, H.H.
The Acapulco grape. Journ. N.Y. Bot. Gard. 34: 13-14. Ja.1933. no.397.

Journ. Pharm. Soc. Japan. (J396.9P49)
Nakaoki, T.
Untersuchungen über die glucoside der flavonreihe von weissen blüten. I-II. Journ. Pharm. Soc. Japan 52: 195-197, 198. D.1932.no.12.

Journ. Sapporo Soc. Agr. & For. (J22.5So1)
Tatewaki, M.
A list of plants, Zenibako, prov. Shiribeshi. Journ. Sapporo Soc. Agr. & For. 24: 221-250. D.1932. no.110.
Japanese.

Journ. Soc. Trop. Agr. Japan. (Taiwan) (26So13)
Hosokawa, T.
Notulae leguminosarum ex Asiae-orientale II. Journ. Soc. Trop. Agr. Japan 4: 308-316. 0.1932. no.3.
Glycine formosana, Apios taiwanianus, Dolichos kosyunensis n.spp., Pueraria thunbergiana formosana var.nov.

Kanehira, R. & Sasaki, S.
An enumeration of Formosan trees in the Taihoku herbarium III. Journ. Soc. Trop. Agr. Japan 4: 317-321. 0.1932. no.3.

Masamune, G.
Symbolae florae Australi-Japonicae. II. Journ. Soc. Trop. Agr. Japan 4: 300-304. 0.1932. no.3.

Journ. Soc. Trop. Agr. Japan. (cont.)

Matsumoto, T., Yamamoto, W. & Hirane, S.
Physiology and parasitology of the fungi generally referred to as Hypochnus sasakii shirai. I. Differentiation of the strains by means of hyphal fusion and culture in differential media. Journ. Soc. Trop. Agr. Japan. 4: 370-388. illus. O.1932. no.3.

Terada, S. & Iwasaki, M.
On the relation between watering and growth of cotton plant. Journ. Soc. Trop. Agr. Japan 4: 256-264. O.1932. no.3.
Japanese.

Yamamoto, Y.
Observationes ad floram Formosanam IV. Journ. Soc. Trop. Agr. Japan 4: 304-307. O.1932. no.3.
Piper kotoense, Goodyera daibuzanensis n.spp., Rubus triphylla toapiensis, Parnassia palustris syukorankeiensis, Crotalaria linifolia pygmaea var.nov.

Kranke Pflanze (Dresden) (464.8K86)

Frickhinger, H. W.
Der lagerschorf und seine bekämpfung. Kranke Pflanze 10: 6-8. Ja.1933. no.1.

Graser, H.
Zur beurteilung und abwehr des tannensterbens. Kranke Pflanze 10: 3-5. Ja.1933. no.1.

Landbouwk. Tijdschr. Maandbl. Nederl. Genootsch. Landbouwwetensch. (Amsterdam) (105.20r3)

Botjes, J. O.
De invloed van abnormale minerale bemestingen op de aardappelplant. Landbouwk. Tijdschr. Maandbl. Nederl. Genootsch. Landbouwwetensch. 44: 749-761. D.1932. no.540.
De vatbaarheid voor virusziekten in verband met abnormale kalibemestingen: p.754-757.

Verhoeven, W. B. L.
Een nieuw ontsmettingsmiddel tegen Rhizoctonia. Landbouwk. Tijdschr. Maandbl. Nederl. Genootsch. Landbouwwetensch. 44: 761-763. D.1932. no.540.

Landw. Jahrb. (Berlin) (18L23)

Marx, Th., & Merkenschlager, F.
Lumineszenz-analytische studien an kartoffelknollen. Landw. Jahrb. 76: 733-744. 1932. no.5.

Maataloustiet. Aikak. [Agric. Mag.] (Helsingfors) (20Su7M)

Kivinen, E.

Sphagnum-lajien reaktiosta. (Ueber die reaktion der Sphagnum-arten). Maataloustiet. Aikak. [Agric. Mag.] 4: 91-115. 1932. no.3.
German summary: p.114-115.

Möller's Deut. Gärtn.-Zeit. (Erfurt) (80M73)

Adolph, D.

Welchen einfluss hat der mond auf das pflanzenwachstum? Möller's Deut. Gärtn.-Zeit. 48: 30-31. Ja.21, 1933. no.3.

Frič, A. V.

Wieder über "pfropfen der kakteen". III-IV. Möller's Deut. Gärtn.-Zeit. 48: 21-22, 34-35, illus. Ja.11,23,1933. no.2,3.

Mycologia (450M99)

Aronescu, A.

Further studies in Neurospora sitophila. Mycologia 25: 43-54. pl.14. Ja./F. 1933. no.1.

Lohman, M.

Septonema toruloideum: a stage of Mytilidion scolecosporum. Mycologia 25: 34-32. pl.13. Ja./F. 1933. no.1.

Morse, E. E.

A study of the genus Podaxis. Mycologia 25: 1-33. pl.1-12. Ja./F.1933. no.1.

Seaver, F. J.

Photographs and descriptions of cup fungi. XVIII. Rare species of Godronia. Mycologia 25: 55-57. pl.15. Ja./F.1933. no.1.

Thurston, H.W., Jr., & Kern, F. D.

Distribution of West Indian rusts. Mycologia 25: 58-64. Ja./F. 1933. no.1.

Nat. Canad. (Quebec)

Prat, H.

Florule halophytique de la Grève-de Trois-Pistoles. Nat. Canad. 60: 9-16. illus. Ja.1933. no.1.

Nature (London) (472N21)
Champion, H. G.
Twisted trees. Nature 131: 133-134. Ja.28, 1933. no.3300.

Conant, J. B. & Dietz, E. M.
Structural formulae of the chlorophylls. Nature 131: 131. Ja.28, 1933. no.3300.

North West. Nat. (Arbroath, Scotland) (410N81)
Hyde, H. A.
Foreign alpines on Snowdon. North West. Nat. 7: 291-294. D.1932. no.4.

Parkin, J.
An unique sport of the common buttercup (Ranunculus acris). North West. Nat. 7: 288-291. illus. D.1932. no.4.

Oesterr. Bot. Zeitschr. (Wien) (450Os7)
Handel-Mazzetti, H.
Kleine beiträge zur kenntnis der flora von China. II. Oesterr. Bot. Zeitschr. 81: 305-307. D.20, 1932. no.4.

Heimerl, A.
Die gattung Quamoclidion Choisy. Oesterr. Bot. Zeitschr. 81: 299-302. D.20, 1932. no.4.

Heimerl, A.
Pisonia floribunda Hooker fil. Oesterr. Bot. Zeitschr. 81: 303-304. D.20, 1932. no.4.

Neugebauer, H.
Morphologisch-geographische studie über Laserpitium krapfii Crantz amplif. Thellung. Oesterr. Bot. Zeitschr. 81: 241-275. illus. D.20, 1932. no.4.

Schmid, H.
Die morphologische deutung des haftballens von Parthenocissus tricuspidata. Oesterr. Bot. Zeitschr. 81: 276-295. illus. D.20, 1932. no.4.

Schussnig, B.
Der generations- und phasenwechsel bei den chlorophyceen. III. Oesterr. Bot. Zeitschr. 81: 296-298. D.20, 1932. no.4.

Pharm. Zentralh. (Dresden) (396.8P492)
Richter, J.
Etwas über Aethalium septicum - die lohblüte. Pharm. Zentralh. 74: 1-3. illus. Ja.5, 1933. no.1.

Philipp. Agr. (Los Banos) (25P542)

Gonzalez, L. G.

Influence of smudging on the respiration and catalase activity of the mango, Mangifera Indica Linn. Philipp. Agr. 21: 533-540. illus. Ja.1933. no.8.

Martinez, J. R.

Comparative mineral contents of Philippine bananas: calcium, iron, magnesium and phosphorus. Philipp. Agr. 21: 547-550. Ja.1933. no.8.

Roldan, E. F.

Four new diseases of Philippine economic plants caused by species of the family Pythiaceae. Philipp. Agr. 21: 541-546. illus. Ja.1933. no.8.

Pineapple wilt. Blight and root rot abacá seedlings. Avocado-seedling wilt. Damping-off of Benguet and Chinese pine seedlings.

Philipp. Journ. Sci. (Manila) (475P53)

Ames, O. & Quisumbing, E.

New or noteworthy Philippine orchids. III. Philipp. Journ. Sci. 49: 483-504. 28 pl. (2 col.) D. 1932. no.4.

Planteur Ile de la Réunion. (25R32)

Villèle, A. de

Au sujet de la maladie du vanillier. Planteur Ile de la Réunion. III,1: 168-173. N./D.1932. no.7/8.

Anthracnose (Calospora vanillae)

Proc. Imp. Acad. Tokyo (513T576)

Nakamori, E.

On the appearance of the triploid plant of rice, Oryza sativa L. Proc. Imp. Acad. Tokyo 8: 528-529. illus. D.1932. no.10.

Proc. Linn. Soc. N.S.W. (Sydney) (514Sy2)

Burges, A.

Notes on the mosses of New South Wales. I. Additional records and description of a new species of Buxbaumia. [B.colyerae]. Proc. Linn. Soc. N.S.W. 57: 239-244. illus. 1932. no.3/4(241/242)

Churchward, J. G.

Inheritance of resistance to bunt, Tilletia tritici (Bjerk.) Winter, and other characters in certain crosses of "Florence" wheat. Proc. Linn. Soc. N.S.W. 57: 133-147. 1932. no.3/4. (241/242)

Proc. Linn. Soc. N.S.W. (cont.)

Jensen, H. L.

Contributions to our knowledge of the Actinomycetales III. Further observations on the genus Micromonospora. Proc. Linn. Soc. N.S.W. 57: 173-180. illus. 1932. no.3/4. (241/242)

Walkom, A. B.

Fossil plants from Mount Piddington and Clarence Siding. Proc. Linn. Soc. N.S.W. 57: 123-126. illus. 1932. no.3/4. (241/242)

Proc. Nat. Acad. Sci. (500N21P)

Bergner, A. D., Satina, S. & Blakeslee, A. F.

Prime types in Datura. Proc. Nat. Acad. Sci. 19: 103-115. illus. Ja.1933. no.1.

Blakeslee, A. F., Bergner, A. D. & Avery, A. G.

Methods of synthesizing pure-breeding types with predicted characters in the jimson weed, Datura stramonium. Proc. Nat. Acad. Sci. 19: 115-122. Ja. 1933. no.1.

Darlington, C. D.

The behavior of interchange heterozygotes in Oenothera. Proc. Nat. Acad. Sci. 19: 101-103. Ja.1933. no.1.

LaRue, C. D.

Regeneration in mutilated seedlings. Proc. Nat. Acad. Sci. 19: 53-63. Ja.1933. no.1.

Mains, E. B.

Host specialization of Erysiphe graminis tritici. Proc. Nat. Acad. Sci. 19: 49-53. Ja.1933. no.1.

Proc. Soc. Exp. Biol. & Med. (N. Y.) (442.9Sol)

Weiss, E.

A simple method for staining fungi. Proc. Soc. Exp. Biol. & Med. 30: 466-467. Ja.1933. no.4.

Progr. Agr. & Vitic. (Montpellier) (14P94)

Ravaz, L.

L'excoriose. Progr. Agr. et Vitic. 99: 29-34, 77-79. Ja.8,22, 1933. no.2,4.

Protoplasma (Leipzig) (442.8P94)

Gutstein, M.
Bestimmung der H'-konzentration in der lebenden hefe- und bakterienzelle. Protoplasma. 17; 454-470. D.1932. no.3.

Steward, F. C.
The absorption and accumulation of solutes by living plant cells, IV. Protoplasma 17: 436-453. D.1932. no.3.
IV. Surface effects with storage tissue. A quantitative interpretation with respect to respiration and salt absorption.

Weber, F.
Aluminiumsalz-wirkung und plasmolyse-permeabilität. Protoplasma 17: 471-475. D. 1932. no.3.

Rev. Hort. (Paris) (8CR32)

Jahandiez, E.
Les plantes grasses autres que les cactées les euphorbes cactiformes. Rev. Hort. 105: 302-304. illus. Ja.16, 1933. no.13.

Jarry-Desloges, R.
Contribution a l'étude des fruits du Diospyros kaki et du D. chinensis. Rev. Hort. 105: 308-309. Ja.16, 1933. no.13.

Chevalier, C.
Le mimetisme chez les Mesembrianthemum. Rev. Hort. 105: 304-305. illus. Ja.16, 1933. no.13.

Souillet,
Lilium candidum. Fertilité, semis, hybridation. Rev. Hort. 105: 299-300. Ja.16, 1933. no.13.

Rhodora (Boston) (450R34)

Anderson, E.
Color variation in a Missouri colony of Hepatica acutiloba. Rhodora 35: 66-67. illus. F. 1933. no.410.

Benke, H. C.
New species and forms from the central and southern United States. Rhodora 35: 44-46. F.1933. no.410.

Fernald, M. L.
Calamagrostis epigejos, var. georgica in America. Rhodora 35: 64-65. F.1933. no.410.

Rhodora, (cont.)

Fernald, M. L.
Recent discoveries in the Newfoundland flora.
Rhodora 35: 47-63. pl.234-237, maps. F.
1933. no.410.

Gleason, H. A.
Annotations on herbarium sheets. Rhodora
35: 41-43. F.1933. no.410.

Schuh, R. E.
Pylaiella fulvescens (Schousb.) Bornet.
Rhodora 35: 63-64. F.1933. no.410.
Found along shore at North Brooklin, Maine.

Weatherby, C. A.
Panicum dichotomiflorum, var. puritanorum in
New Hampshire. Rhodora 35: 68. F.1933. no.410.

Science (470Sci2)

American association for the advancement of science
Sec. G. (Botanical sciences)
[Report of proceedings) Science 77: 142-145.
F.3, 1933. no.1988.

Coffman, F. A.
Heterosis; Specific not general in nature.
Science 77: 114-115. Ja.27, 1933. no.1987.
Experiments with oats.

Dr. Winfield S. Dudgeon... Science 77: 108.
Ja.27, 1933. no.1987.
Notice of death.

[Plans for an arboretum connected with Swarthmore
College.] Science 77: 113. Ja.27, 1933.
no.1987.
Scott Arboretum in Crum Creek Valley, Delaware
Co., Pa., under Arthur H. Scott Horticultural Foundation.

[Seeds treated with concentrated sulfuric acid
for from 12 to 20 min. show 48 to 63 per cent
germination in 4 months]. Science v.77, no.
1988, suppl. p.30. F.3, 1933.
Results of experiments of J. N. Spaeth and F.
Flemion, reported to Botanical society of America.

Swanback, T. R. & Jacobson, H.G.M.
Brown rootrot of tobacco. Science 77:
169. F.10, 1933. no.1989

Science (cont.)

Ultra-violet radiation is much more damaging to bacteria than it is to the filtrable virus class of disease causes. Science v.77, no.1988, Suppl. p.26. F.3, 1933.

Note of researches reported to Botanical Society of America by B. M. Duggar and A. Hollaender.

Science Progr. (London) (472Sci22)

James, T. E.

George Edwards, F. R. S. (1694-1773). An eighteenth-century naturalist. Science Progr. 1933: 486-493. 2 pl. (1 port.) Ja.1933. no.107.

Kermack, W. O.

Nature of flower pigments. Science Progr. 1933: 415-423. Ja.1933, no.107

Norman, A. G.

The natural decomposition of plant materials. Science Progr. 1933: 470-485. Ja.1933, no.107.

Senckenbergiana (Frankfurt a M.) (410.9Se5)

Kräusel, R. & Weyland, H.

Pflanzenreste aus dem Devon. III. Ueber Hyenia Nath. Senckenbergiana 14: 274-280. illus. S.30, 1932. no.4/5.

Tropenpfl. (Berlin) (26T75)

Freise, F. W.

Die paranuss (brasilnuss). Tropenpfl. 36: 13-19. Ja.1933. no.1.

Hoyer, F.

Die auswertungsmöglichkeit tropischer und subtropischer kultur- und wildpflanze für papiertechnische zwecke. Tropenpfl. 36: 1-13. Ja.1933. no.1.

U. S. Dept. Agr. Plant Dis. Rep. (1.9P69P)

Bourne, B. A.

Preliminary notes on a leaf disease of sugar cane in Florida. U.S. Dept. Agr. Plant Dis. Rep. 17: 8. Ja.15, 1933. no.1.

Cercospora longipes.

Christie, J. R. & Arndt, C. H.

Further notes on the nematodes associated with the soreshin of cotton. U. S. Dept. Agr. Plant Dis. Rep. 17: 10-12. Ja.15, 1933. no.1.

U. S. Dept. Agr. Plant Dis. Rep. (cont.)

Freitag, J. H. & Severin, H.H.P.
List of ornamental flowering plants experimentally infected with curly top. U.S. Dept. Agr. Plant Dis. Rep. 17: 2-5. Ja.15, 1933. no.1.

Hungerford, C. W.
A new virus disease of delphinium in Idaho. U.S. Dept. Agr. Plant Dis. Rep. 17: 5. Ja.15, 1933. no.1.
Symptoms would suggest witches' broom as a common name.

Jenkins, A. E.
Scab of cultivated sweet violet (Viola odorata) caused by Sphaceloma. U.S. Dept. Agr. Plant Dis Rep. 17: 5-6. Ja.15, 1933. no.1.

Koehler, B. & Holbert, J. R.
Bacterial wilt in dent corn in Illinois, 1932. U. S. Dept. Agr. Plant Dis. Rep. 17: 6-7. Ja.15, 1933. no.1.

Severin, H.H.P. & Freitag, J. H.
List of ornamental flowering plants naturally infected with curly top or yellows diseases in California. U.S. Dept. Agr. Plant Dis. Rep. 17: 1-2. Ja.15, 1933. no.1.

Vict. Nat. (Melbourne) (410V66)

Coleman, E.
Pollination of orchids: genus Prasophyllum. Vict. Nat. 49: 214-221. illus. Ja.1933. no.9.

Nicholls, W. H.
Our rarer orchids. 7,8. Vict. Nat. 49: 222-224. illus. Ja.1933. no.9.
7. Thelymitra azurea, 8. T.macmillanii.

Watson's Micros. Rec. (London) (440.8W33)

Brown, N. E.
The structure of diatoms. Watson's Micros. Rec. 28: 10-11. D.1932. no.28.

Cook, W. R. I.
The water-moulds. Watson's Micros. Rec. 28: 3-7. illus. Ja.1933. no.28.

Zentralbl. Bakt. Abt. II. (Jena) (448.3C33)

Wille, F.
Pullergrösse und auftreten von pflanzenkrankheiten. Zentralbl. Bakt. Abt. II, 87: 301-331. Ja.10, 1933. no.13/16.

Exper. Stat. Publ.

Bonde, R.

Potato spraying and dusting experiments 1929 to 1931. Maine Agr. Exp. Stat. Bull. 362: 177-232. 4 pl. Mr.1932. (100M28S)

New Jersey agricultural experiment station. Dept. of plant pathology.

Recent developments in diseases of ornamentals. Its Nursery Dis. Notes v.5, no.7. 4 p. Ja. 1933 (464.9N46)

Review of papers presented at Atlantic City meetings of Amer. Phytopath. Soc.

Wilson, J. D. & Runnels, H. A.

Some detrimental effects of spraying tomatoes with bordeaux mixture. Ohio Agr. Exp. Stat. Bimonth. Bull. 18: 4-15. illus. Ja./F.1933. no. 1. (100Oh3S)

Wilson, J. D.

Spraying carrots for control of leaf diseases. Ohio Agr. Exp. Stat. Bimonth. Bull. 18: 3-4. illus. Ja./F. 1933 (100Oh3S)

New Books

Nuernbergk, E. & Du Buy, H. G.

Die analyze von pflanzlichen wachstumsvorgängen In Abderhalden, E. Handbuch der biologischen arbeitsmethoden. abt.XI, t.4, h.5. (lfg.399): 751-1014. illus. 1932. (386.2Ab3Ha)

Nuernbergk, E.

Physikalische methoden der pflanzlichen lichtphysiologie. In Abderhalden, E. Handbuch der biologischen arbeitsmethoden. abt.XI, t.4, h.5, (lfg.399): 739-750. illus. 1932. (386.2Ab3Ha)

Blauberg, W.

Beiträge zur erforschung der fusskrankheiten des getreides. Bonn, Verein Studentenwohl e. V., 1931. (464.02B61)

Inaug.-diss. Bonn-Poppelsdorf.

Bonnier, G.

Flore complète illustrée en couleurs de France ... Suisse et Belgique,.. tome 11 par R. Douin. fasc.113. col.pl. 673-678. [1933?] (f°459B64)

Clouston, D.

Plant diseases in the garden. Aberdeen, D. Wyllie & sons, [1932] (464C62)

New Books (cont.)

Fontana, F.
Observations on the rust of grain... A translation by Pascal Pompey Pirone... With a biographical sketch and translator's preface. Washington, D. C. American phytopathological society 1932. (464.02F73A)
Transl. of his Osservazioni sopra la ruggine del grano. Lucca, 1767

Fred, E. B., Baldwin, I. L. & McCoy, E.
Root nodule bacteria and leguminous plants. Madison, 1932 (Univ. Wisconsin Studies Sci. no.5.) (57F872)

Gelher, G.
Ueber das gegenseitige verhalten von saugkraft und grenzplasmolysewert. Zug, E. Kalt-Zhender, 1930 (463.32G27)
Inaug.-diss. Freiburg.

Kassau, E.
Beiträge zur systematik einiger polygalaceengattung unter berücksichtigung des vorkommens von saponin. Berlin, Doktordruck-graphisches institut P. Funk, 1931 (463.2K15)
Inaug.-diss. Berlin.

Lanjow, J.
The Euphorbiaceae of Surinam. Amsterdam, J.D. de Bussy, 1931 (452.3L27)
Proefschr. Utrecht.

Kew, H. W. & Powell, H. E.
Thomas Johnson, botanist and royalist. London, Longman's, 1932. (120J623)

Nitzschke, H.
Der Neuenburger urwald bei Bockhorn in Oldenburg. In Karsten, G. Vegetationsbilder r.23, h.6/7. pl.31-32. 1932 (f°452.9K142)

North American flora v.21, pt.4. Chenopodiales: Batidaceae, Petiveriaceae, Tetragoniaceae, Basselaceae, P. Wilson; Portulacaceae, P.A. Rydberg (Talinum, Talinaria, Talinopsis, Portulaca, P. Wilson) N.Y., N.Y. botanical garden, p.29, 1932 (454N48)

New Books (cont.)

Pringsheim, E. G.
Julius Sachs, der begründer der neueren pflanzenphysiologie, 1832-1897. Jena, G. Fischer, 1932 (120Sa12)

Quint, W.
Beitrag zur systematik der gattung Saxifraga auf grund von saponinuntersuchungen. Ohlau i Schl., Spezialdruckerei fur dissertationen Dr. H. Eschenhagen, 1932 (463.2Q4)
Inaug.-diss. Berlin.

Royal horticultural society.
Lily year-book, 1932. London, 1932 (97R81L)

Salmon, C. E.
Flora of Surrey ... ed. by William Harrison Pearsall. London, G. Bell & sons, 1931 (458Sa32)

Siebert, F.
Ueber den reduzierenden stoff in pflanzlichen lebensmitteln und seine uebereinstimmung mit dem vitamin C. Gelnhausen, Druck von F. W. Kalbfreisch, 1931. (389.1Si1)
Inaug.-diss. Frankfurt am Main.

Stroede, W.
Oekologie der characeen. Berlin, Doktordruck-graphisches institut P. Funk, 1931 (461.4St82)
Inaug.-diss. Berlin.

Vanin, S. I.
Bolezni sei͡antsev i semi͡an lesnykh podov [Seedling and seed diseases of trees]. Moskva, Leningrad,
Russian.

Wells, B. W.
The natural gardens of North Carolina, with keys and descriptions of the herbaceous wild flowers found therein. Chapel Hill, University of North Carolina press, 1932 (455.58W46)

Zalkowitz, J.
Phytoserologische verwandtschaftsuntersuchungen über die Sarraceniaceae, Nepenthaceae und Droseraceae und ihre stellung im system. Berlin, Buchdruckerei, J. Herper, G.m.b.H., 1932 (463.2Z1)
Inaug.-diss. Berlin.

Correction

v.14, no.7, p.32.

First heading should read: Schweiz. Zeitschr. Obst- u. Weinb., and three entries following should be corrected accordingly.

v.15, no.2, p.24.

Under Tidsskr. Planteavl. the vol. no. should be 38.

Filed out of place.

Petter, H. F. M.

Structure d'une Sarcine: Sarcina gigantea. Compt. Rend. Acad. Sci. Paris. 196: 300-302. illus. Ja.23, 1933. no.4.

Non-current indexing.

Bull. Illinois State Geol. Surv. (406I16B)

Noe, A. C.

Evidences of climate in the morphology of Pennsylvanian plants. Bull. Illinois State Geol. Surv. 60: 283-289. illus. 1931.

White, D.

Climatic implications of Pennsylvanian plants. Bull. Illinois State Geol. Surv. 60: 271-281. 1931.

Deut. Landw. Presse. (Berlin) (18D482)

Stilbach, K.

Beobachtungen an erbsenrost. Deut. Landw. Presse. 58: 302. Je.11, 1932. no.24.

Ergebn. Phys. (447.8Er3)

Magistris. H.

Die lipoide mit besonderer berücksichtigung der neueren ergebnisse der lipoidforschung. Ergebn. Phys. 31: 165-355. 1931.

Industr. & Engin. Chem. (Easton, Pa.) (381J825)

Schmitz, H. & Buckman, S.

Toxic action of coal-tar creosote. With special reference to the existence of a barren nontoxic oil. Industr. & Engin. Chem. 24: 772-777. illus. Jl. 1932. no.7.

Non-current indexing. (cont.)

Izv. Permsk. Biol. Nauchno-Issl. Inst. (Bull. Inst. Tech. Biol. Perm) (442.9 P42)

Gerasimov, D. A.

Sfagnovye mkhi Urala i Zapadnoĭ Sibiri (Sphagnummoose Urals und Westsibiriens). Izv. Permsk. Biol. Nauchno-Issl. Inst. (Bull. Inst. Tech. Biol. Perm.) 7: 491-515. 1931. no.10.

Russian with German summary.

Krasovskii, P.N. & Khrebtov, A. A.

O sornykh rastenii͡akh lesostepnoĭ chasti Uralo-blasti (On the weeds of the forest-steppe tract of the Ural region). Izv. Permsk. Biol. Nauchno-Issl. Inst. (Bull. Inst. Rech. Biol. Perm) 7: 517-532. 1931. no.10.

Russian with English summary.

Journ. Infect. Dis. (Chicago) (448.8J821)

Benham, R. W. & Kesten, B.

Sporotrichosis, its transmission to plants and animals. Journ. Infect. Dis. 50: 437-458. illus. My./Je.1932. no.5/6.

Sporotrichum schenkii transmitted to carnations produced a bud rot similar to that caused by S.poae.

Trudy Permsk. Biol. Nauchno-Issl. Inst. (Trav. Inst. Rech. Biol. Perm.) (442.9P42T)

Baranov, V. I. & Smirnov, M. N.

Pikhtovai͡a taiga na predgorii͡akh Altai͡a (The spruce taiga in the foothills of Altai). Trudy Permsk. Biol. Nauchno-Issl. Inst. (Trav. Inst. Rech. Biol. Perm) 4: 1-96. illus., xii pl. on 11, map. 1931. no.1/2.

Russian with English summary (8 p.)

Verh. Bot. Ver. Prov. Brandenb. (Berlin-Dahlem) (451B73V)

Bolle, F.

Ueber die bezeichnung der farbtöne. Eine vergleichung der bei pflanzenbeschreibungen angewandten farbentafeln. Verh. Bot. Ver. Prov. Brandenb. 73: 109-115. D.30, 1931. no.2.

Schwarz, O.

Ueber eine bisher verkannte neue art der gattung Rhinanthus aus der norddeutschen tiefebene. Verh. Bot. Ver. Prov. Brandenb. 73: 117-119. D.30, 1931. no.2.

R. paludosus

c

BOTANY
CURRENT LITERATURE

LIBRARY
RECEIVED
★ MAR 15 1933 ★
U. S. Department of Agriculture

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C.

Vol. 15, no. 4. Feb.13-25, 1933.

Acta Inst. et Horti Bot. Univ. Tartuensis. (451T17)
Port, J.
Untersuchungen uber die wirkung der neutralsalze auf das keimlingswachstum bezuglich der abhängigkeit von ihrer konzentration. Acta Inst. et Horti Bot. Univ. Tartuensis v.3, fasc.1/2. 166 p. 1932.

Agr. & Live-stock, India. (Calcutta) (22Ag83A)
Afzal, M. & Singh, S.
A note on a floral abnormality in cotton. Agr. & Live-stock, India 2: 634-636. illus. N. 1932. no.6.

Alpe Riv. For. Ital. (Piacenza) (99.8A17)
Cremisi, A. & Ferrari, N.
La tartuficoltura ed il rimboschimento. Alpe Riv. For. Ital. 20: 11-18. illus. Ja.1933. no.1.

Amer. Nurserym. (Rochester, N.Y.) (80Am371)
Lining, O. N.
Some facts about the Dutch elm disease. Amer. Nurserym. 57: 56, 66. illus. F.15, 1933. no.4.

Ann. Mycol. (Berlin) (450An76)
Boedijn, K. B.
Einige bemerkungen zu der abhandlung von S.C. Teng, "Fungi of Nanking I". Ann. Mycol. 30: 478-479. 1932. no.5/6.

Ciferri, R.
The criteria for definition of species in mycology. Ann. Mycol. 30: 122-136. 1932. no.1/2.

Gregor, M. J. F.
Observations on the structure and identity of Tulasnella anceps Bres. et Syd. Ann. Mycol. 30: 463-465. 1932. no.5/6.
Belongs to the genus Corticium.

Ann. Mycol. (cont.)

Gregor, M.J.F.
A study of heterothallism in Cerastostomella pluriannulata, Hedgcock. Ann. Mycol. 30: 1-9. illus. 1932. no.1/2.

Gyelnik, V.
Enumeratio lichenum europaeorum novorum rariorumque. Ann. Mycol. 30: 442-455. 1932. no.5/6.

Gyelnik, V.
Ueber einige arten der gattung Parmeliopsis (Stizenb.) Nyl. Ann. Mycol. 30: 456-459. 1932. no.5/6.

Malkovský, K. M.
Ueber die europäischen arten der gattung Panus. Ann. Mycol. 30: 10-80. illus., pl. i-ii. 1932. no.1/2.

Palm, B. T.
Biological notes on Albugo. Ann. Mycol. 30: 421-426. illus. 1932. no.5/6.

Palm, B. T.
On Cyttaria Berk. and Cyttariella n.gen. Ann. Mycol. 30: 405-420. illus. 1932. no.5/6.
Cyttaria intermedia, Cytarriella skottsbergii n.spp.

Petch, T.
Gibellula. Ann. Mycol. 30: 386-393. illus. 1932. no.3/4.
G. alata n.sp.

Petch, T.
Some Philippine entomogenous fungi. Ann. Mycol. 30: 118-121. 1932. no.1/2.
Hypocrella philippinensis, Aschersonia philippinensis n.spp.

Petrak, F. & Ciferri, R.
Fungi dominicani. Ann. Mycol. 30: 149-353. 1932. no.3/4.
Describes a number of new genera and many new species.

Pilát, A.
Species nova generis Ganoderma Karst. e vulcano Kilimandjaro: Ganoderma baumii sp.n. Ann. Mycol. 30: 460-462. 1932. no.5/6.

Ann. Mycol. (cont.)

Pilat, A. & Vesely, R.
Species nova vernalis generis Tricholoma: Tricholoma kavinae. Ann. Mycol. 30: 476-477. pl. iii-iv. 1932. no.5/6.

Poeverlein, H.
Die gesamtverbreitung der Uropyxis sanguinea in Europa (nachtrag). Ann. Mycol. 30: 402-404. 1932. no.3/4.

Sartory, A., Sartory, R. & Meyer, J.
Etude d'un nouveau champignon du genre Fusarium: Fusarium eucheliae. Ann. Mycol. 30: 471-475. illus. 1932. no.5/6.

Sartory, A., Sartory, R. & Meyer, J.
Etude d'un nouveau Scopulariopsis: Scopulariopsis grylli n.sp. Ann. Mycol. 30: 466-470. illus. 1932. no.5/6.

Savulescu, T. & Rayss, T.
Nouvelle contribution à la connaissance des peronosporacées de Roumanie. Ann. Mycol. 30: 354-385. illus. 1932. no.3/4.

Sydow, H.
Fungi chilenses a cl. E. Werdermann lecti. II. Ann. Mycol. 30: 81-90. 1932. no.1/2.

Sydow, H.
Mycotheca germanica Fasc. L-LII. (no.2451-2600) Ann. Mycol. 30: 394-401. 1932. no.3/4.

Sydow, H.
Novae fungorum species. XXI. Ann. Mycol. 30:91-117. 1932. no.1/2.

Zahlbruckner, A.
Neue flechten. XI. Ann. Mycol. 30: 427-441. illus. 1932. no.5/6.
Chaudhuria indica, n.gen. n.sp.

Ann. Phys. et Physicochim. Biol. (Paris) (447.8An7)

Mayer, A. & Plantefol, L.
La germination du pollen. Ann. Phys. et Physicochim. Biol. 8: 581-632. illus., iii pl. 1932. no.4.
Etudes sur le besoin d'oxygène libre III.

Ann. Rep. East Afr. Agr. Res. Stat., Amani (108Ea72)
Storey, H. H.
Report of the plant pathologist. Ann. Rep. East Afr. Agr. Res. Stat. Amani 4(1931/32): 8-13. 1932.

Ann. Tecn. Agr. (Rome) (16An73)
Costa, G.
La reazione del terreno e lo sviluppo dell'Orobanche della fava. Ann. Tecn. Agr. 6: 22-35. illus. Ja. 1933. no.1.

Crescini, F.
"Precocità" e "primaverilità" in F_2 da incroci di Tr. vulgare (Vill.). Ann. Tecn. Agr. 6: 36-56. Ja.1933. no.1.

Rui, D. B.
Ricerche sugli zuccheri e sulle sostanze saccarificabili dei frutti di Sophora japonica (L.) Ann. Tecn. Agr. 6: 79-94. pl. Ja.1933. no.1.

L'arbe et l'eau (Limoges) (99.9So18)
Dufrenoy, J.
Les maladies des chataigniers. L'Arbe et L'eau 20: 93-136. illus. 1932.

La maladie de l'encre et les chataigniers exotiques. L'arbre et l'eau 20: 86-88. illus. 1932.

Arch. Mikrobiol. (Berlin) (442.8Ar26)
Niethammer, A.
Studien uber die pilzflora böhmischer böden. Arch. Mikrobiol. 4: 72-98. illus. Ja.19, 1933. no.1.

Virtanen, A. I. & Pulkki, L.
Biochemische untersuchungen über bakteriensporen. Arch. Mikrobiol. 4: 99-122. Ja.19,1933. no.1.

Arch. Rubbercult. Nederl.-Indië. (Batavia, Java) (78.8Ar2)
Hoop, D.J.N. van der & Ostendorf, F. W.
Over den wederzijdschen invloed van bovenen onderstam bij Hevea-oculaties. (On the mutual influence of stock and scion in Hevea buddings). Arch. Rubbercult. Nederl.-Indië 16: 392-409. D. 1932. no.4.
English translation: p.407-409.

Beih. Bot. Centralbl. Abt.II. (Dresden) (450B65Bo)

Bojko, H.

Ueber eine Cynodon dactylon-assoziation aus der ungebung des Neusiedler-sees. Beih. Bot. Centralbl. Abt.II, 50: 207-225. D.1932. no.1.

Chartschenko, W.

Verschiedene typen des mechanischen gewebes und der kristalinischen ausbildungen als systematische merkmale der gattung Allium. Beih. Bot. Centralbl. Abt.II, 50: 183-206. illus. D.1932. no.1.

Eig, A.

Revision of the Erodium species of Palestine. Beih. Bot. Centralbl. Abt.II, 50: 226-240. D. 1932. no.1.

Forti, A. & Schulz, P.

Erste mitteilung über diatomeen aus dem hannoverschen gault. Beih. Bot. Centralbl. Abt. II, 50: 241-246. illus., pl. iii. D.1932. no.1.

Haas, H.

Die bodenbewohnenden grosspilze in den waldformationen einiger gebiete von Württemberg. Beih. Bot. Centralbl. Abt. II, 50: 35-134. D.1932. no.1.

Holm, T.

Comparative studies of North American violets Beih. Bot. Centralbl. Abt.II, 50: 135-182. pl. i-ii. D.1932. no.1.

Lorenz, A.

Pollenanalytische untersuchungen zur waldgeschichte der zentralen und südlichen Ostalpen. Beih Bot. Centralbl. Abt. II, 50: 1-34. illus. D.1932. no.1.

Bergcultures. (Batavia, Java.) (22.5B45)

Reydon, G. A.

Het vraagstuk der bestrijding van koffieaaltjes. Bergcultures 7: 2-10. illus. Ja.7, 1933. no.1.

Ber. Deut. Bot. Ges. (Berlin) (451D48)

Cholodny, N.

Zur kenntnis der durch das regnerishce wetter verrusachten ertragsabnahme bei getreidearten. Ber. Deut. Bot. Ges. 50: 562-570. Ja.26, 1932. no.10.

Ber. Deut. Bot. Ges. (cont.)

Gassner, G. & Goeze, G.
Ueber die wirkung einiger pflanzenschutzmittel auf das assimilationsverhalten von blättern. Ber. Deut. Bot. Ges. 50: 517-528. Ja.26, 1932. no.10.

Köppe, F.
Eine moosgesellschaft des feuchtes sandes. Ber. Deut. Bot. Ges. 50: 502-516. Ja.26, 1933. no.10.

Naumann, E.
Ueber den normaltypus von Sphaerotilus natans Kützing und einige modifikationen davon. Ber. Deut. Bot. Ges. 50: 558-561. pl. xi. Ja. 26. 1933. no.10.

Schanderl, H.
Intracarpellare und median-florale prolification bei gartenvarietäten von Helianthemum chamaecistus Miller. Ber. Deut. Bot. Ges. 50: 477-486. illus. Ja.26, 1933. no.10.

Stoppel, R.
Welcher faktor ist für die tagesrhythmik der pflanzen verantwortlich zu machen? Ber. Deut. Bot. Ges. 50: 486-501. illus. Ja.26, 1933. no.10.

Werth, E.
Die wilde feige im östlichen mittelmeergebiet und die herkunft der feigenkultur. Ber. Deut. Bot. Ges. 50: 539-557. map. Ja.26, 1933. no.10.
Zur geographie und geschichte der kulturpflanzen und haustiere VI.

Der Biologe (München) (442.8B527)

Fischer, E.
Eine auffallende fichtenkrankheit in del Alpen. Der Biologe 2: 40-42. N.1932. no.2.
Aecidium abietinum.

Blätt Pflanzenb. u. Pflanzenzücht. (Tetschen) 450B61)

Blunck, H.
Ueber die fusskrankheit des weizens und ihre bekämpfung. Blätt. Pflanzenb. u. Pflanzenzücht. IV, 10: 71-74. 1932.

Bol. R. Soc. Españ. Hist. Nat. (Madrid) (506M263B)

Bordas, M.
Estudio de la semilla del garbanzo (Cicer arietinum L.) Bol. R. Soc. Españ. Hist. Nat. 32: 393-416. illus. N.20, 1932. no.8.

Bol. R. Soc. Españ. Hist. Nat. (cont.)

Ceballas, L. & Vicioso, C.

Notas sobre flora malagueña. Bol. R. Soc. Españ. Hist. Nat. 32: 379-392. pl. xiii. N.20, 1932. no.8.

Bot. Mag. Tokyo (450B651)

Hondo, M.

Nuntia ad floram Japoniae XIX. Bot. Mag. Tokyo 46: 675-678. No.1932. no.551.

Kanehira, R.

New or noteworthy trees from Micronesia III. 46: 669-674. N.1932. no.551.

Karasawa, K.

Karyological studies of some flowering crocus. Bot. Mag. Tokyo 46: 800-802. illus. D.1932. no.552.

Masamune, G.

Notes on the orchid flora of Japan. I. Bot. Mag. Tokyo 46: 772-773. D.1932. no.552.

Zeuxine niijimai, Z. kantokeiensis, Platanthera sigeyosii, n.spp.

Miki, S.

On sea grasses new to Japan. Bot. Mag. Tokyo 46: 774-788. illus., pl. xiii. D.1932. no.552.

Zostera asiatica, Z. caulescens, Z. caespitosa, Diplanthera pinifolia, n.spp.

Okunuki, K.

Ueber den gaswechsel des pollens. Bot. Mag. Tokyo 46: 701-721. N.1932. no.551.

Japanese with German summary: p.713-714.

Experiments with Camellia japonica and Lilium auratum.

Sakurai, K.

Beobachtungen über japanische moosflora III. Bot. Mag. Tokyo 46: 737-750. D.1932. no.552.

Yasuda, S.

Physiological researches on the fertility in Petunia violacea XI. On the effect of temperature upon self fertilization. Bot. Mag. Tokyo 46: 679-689. N.1932. no.551.

Japanese with English summary: p.687-689.

Bot. Mag. Tokyo (cont.)

Shinotomai, N.

Chromosomenzahlen bei japanischen garten-rassen von Chrysanthemum. Bot. Mag. Tokyo 46: 690-700. illus. N.1932. no.551.

Japanese with German summary: p.700.

Shinotomai, N.

Eigenartige vermehrung der chromosomenzahl bei den artbastarden von Chrysanthemum. Bot. Mag. Tokyo 46: 789-799. illus. D.1932. no.552.

Japanese with German summary: p.799.

Bot. Mus. Leafl. Harvard Univ. (451H262)

Ames, O.

The Honduran species of Lepanthes. Bot. Mus. Leafl. Harvard Univ. no.4: 3-8. illus. F.7, 1933. no.4.

L. edwardsii sp.nov.

Ames, O.

A new Octomeria from Spanish Honduras. Bot. Mus. Leafl. Harvard Univ. no.4: 1-3. illus. F.7, 1933. no.4.

O. hondurensis.

Broteria Cienc. Nat. (410B79C)

Pau, C.

Pantas interesantes de la Península. Broteria Cienc. Nat. 2: 45-50. 1933. no.1.

Bull. Agence Gén. Colon. France. (Paris) (260C71B)

Rousseau, J. A.

Mission d'études forestières dans la région du Nord-Cameroun. Bull. Agence Gen. Colon. France 25: 1766-1823. D.1932. no.285.

Processus de régression de la grande forêt equatoriale. Observations et suggestions diverses.

Bull. Jard. Bot. Buitenzorg. (89B86B)

Koolhaas, D. R.

The analysis of Derris roots and the estimation of the rotenone content. Bull. Jard. Bot. Buitenzorg III, 12: 563-574. D.1932. no.3/4.

Lam. H. J.

The Burseraceae of the Malay Archipelago and Peninsula, with annotations concerning extra-Malayan species, especially of Dacryodes, Santiria and Canarium. Bull. Jard. Bot. Buitenzorg III, 12: 281-561 incl. xiv pl. D.1932. no.3/4.

Contributions a l'etude de la flore des Indes Neerlandaises XXII.

Bull. Mus. Hist. Nat. Paris (410.9P213)

Benoist, R.

Nouvelles espèces malgaches du genre Crossandra (acanthacees.) Bull. Mus. Hist. Nat. Paris II,4: 713-717. O.1932. no.6.

C. humbertii, C. vestita, C. longispica, C. poissonii, C. albolineata, C. citrina, C. cloiselii brevis.

Bourdouil, C.

Remarques sur le poids des grines hybrides chez le Pisum en 1re generation. Bull. Mus. Hist. Nat. Paris II, 4: 777-779. O.1932. no.6.

Camus, A.

Quelques cheñes nouveaux de l'Ile d'Hainan et de la Peninsule Malaise. Bull. Mus. Hist. Nat. Paris II, 4: 912-914. N.1932. no.7.

Lithocarpus fenzeliana, L. rangeriana, L. ridleyana, L. symingtoniana, L. pseudoplatycarpa.

Chevalier, A.

Sur quelques mélastomacées nouvelles ou peu connues de l'Afrique occidentale. Bull. Mus. Hist. Nat. Paris II, 4: 678-687. illus. O. 1932. no.6.

Bourdaria n.gen. and several new species of other genera.

Dop, P. & Trochain, Mme. Y.

Vacciniacées, clethracées et éricacées récoltées en Indochine par M. Petelot. Bull. Mus. Hist. Nat. Paris II, 4: 718-719. O.1932. no.6.

Clethra petelotii, n.sp. Pieris chapaensis glabra n.var.

Ducke, A.

Espèces nouvelles de plantes de l'Amazonie brésilienne. Bull. Mus. Hist. Nat. Paris II, 4: 720-749. O.1932. no.6.

Gagnepain, F.

Orchidacées nouvelles ou critiques. Bull. Mus. Hist. Nat. Paris. II, 4: 705-712. O.1932. no.6.

I. Tainia or Nephelaphyllum? II. Geodorum nouveau d'Indo-Chine.

Bull. Mus. Hist. Nat. Paris.(Cont.)
George, L.
Note sur les Pyraria. Bull. Mus. Hist. Nat. Paris II, 4: 750-755. iii pl. O.1932. no.6.

Guillaumin, A.
Contributions à la flore de la Nouvelle Caledonie. LVI. Plantes recueillies par M. Franc. Bull. Mus. Hist. Nat. Paris II, 4: 688-704. O.1932. no.6.

Heim, R.
Mission Saharienne Augiéras-Draper, 1927-1928. Champignons. Bull. Mus. Hist. Nat. Paris II, 4: 915-932. illus., iii pl. N. 1932. no.7.

Maire, R.
Plantes nouvelles du Tibesti. (Missions Tilho et Dalloni). Bull. Mus. Hist. Nat. Paris II, 4: 903-911. N.1932. no.7.
Tibestina, n.gen. (T. lanuginosa).

Monod, Th.
Mission Saharienne Augiéras-Draper, 1927-1828. Phanerogames. Bull. Mus. Hist. Nat. Paris II, 4: 756-765. O.1932. no.6.
Liste des récoltes classées par ordre géographique.

Thériot, I.
Note sur deux mousses récoltées par M. Rogeon dans le Nord du Soudan Français. Bull. Mus. Hist. Nat. Paris II, 4: 775-776. O.1932. no.6.
Brachymenium commutatum attenuatum f. angustifolia, Archidium petrophilum var. rogeoni.

Bull. Pan Amer. Union. (150.9M76)
Robinson, T. R.
Fruit-store puzzles: tropical delicacies finding new friends. Bull. Pan Amer. Union 67: 101-108. illus. F.1933. no.2.

Bull. Soc. Hist. Nat. Afr. Nord. (Alger) (410.9So125)
Caullery, M.
Discours pronoucé le 6 avril 1932... à l'inauguration de la plaque commémorative apposée sur la maison habitée par Emile Maupas à Alger. Bull. Soc. Hist. Nat. Afr. Nord 23: 339-347. port. D.1932. no.9.

Canad. Journ. Res. (Ottawa) (330.9C16C)
Hastings, R. J., Bosher, J. E. & Newton, W.
The nematode disease of narcissi and crop sequence. Canad. Journ. Res. 8: 101. Ja.1933. no.1.

Hibbert, H.
The plant synthesis of carbohydrates and polysaccharides. Canad. Journ. Res. 8: 103-104. Ja. 1933. no.1.

China Journ. (Shanghai) (475C44)
Steward, A. N. & Chiao, C. Y.
Recent botanical explorations in Kweichow. China Journ. 18: 19-26. 3 pl. Ja.1933. no.1.

Circ. Estac. Exp. Insul. Puerto Rico (100P83C)
Kuntz, P. R.
Resistencia relativa al matizado de cañas producidas en el pais comparadas con las importadas. Circ. Estac. Exp. Insul. Puerto Rico. no.101. 23 p. illus. 1932(Rec'd F.1933)

Comment. Biol. Soc. Sci. Fenn. (Helsingfors) (511H36C)
Grönblad, R.
A critical review of some recently published demids. I- Comment Biol. Soc. Sci. Fenn. v.3, no.17. 9 p. illus. 1932. no.17.

Meurman, O. & Rancken, C.
Untersuchungen über die chromosomenverhältnisse bei kultivierten kartoffelsorten (Solanum tuberosum L.) Comment. Biol. Soc. Sci. Fenn. v.3. no.20. 27 p. illus. 1932. no.20.
English summary: p.24-25.

Compt. Rend. Acad. Sci. Paris. (505P21)
Bertrand, P.
Valeur morpholgique du rachis primaire des cladoxylées et des zygoptéridées. Compt. Rend. Acad. Sci. Paris 196: 364-366. illus. Ja.30, 1933. no.5.

Constantin, J.
Essai d'une théore expliquant le rôle des mycorhizes de la canne. Compt. Rend. Acad. Sci. Paris 196:315-318. Ja.30,1933. no.5.

Compt. Rend. Acad. Sci. Paris. (cont.)

Guilliermond, A. & Gautheret, R.

Caractères microchimiques des composés oxyflavoniques, leur localisation dans les vacuoles. Compt. Rend. Acad. Sci. Paris 196: 369-371. Ja.30, 1933. no.5.

Tulipe, jacinthe narcisse, oeillet, rosie.

Raymond, J.

Sur la formation du périthèce chez Microsphaera quercina (Schw.) Burr. Compt. Rend. Acad. Sci. Paris 196: 366-369. illus. Ja.30, 1933. no.5.

Current Science (Bangalore) (475Sci23)

Ajrekar, S. L. & Likhite, V. N.

Observations on Tolyposporium penicillariae Bref. (The bajri smut fungus). Current Science 1: 215. Ja.1933. no.7.

Oldroyd, R. H.

Liverworts and fern sporophytes. Current Science 1: 216. illus. Ja. 1933. no.7.

Desert (Pasadena) (450D45)

Higgins, E. B.

Peyote (Lophophora williamsi) the sacred mushroom. In religious rites of the Indians Desert 4: 112. F.1933. no.10.

Moran, R. V.

Distribution of succulents. Desert 4: 115-116. illus. F.1933. no.10.

Rebutia einsteinii. Frič sp.n. 1931. Desert 4: 111. illus. F.1933. no.10.

Deut. Landw. Presse (Berlin) (18D482)

Bredemann, I.

Zur schwefelsäurestimulation hartschaliger samen. Deut. Landw. Presse 59: 526. O.15, 1932. no.42.

Busse, G.

Pflanzenkrankheiten fruchtfolge und düngung. Deut. Landw. Presse 59: 526. O.15, 1932. no.42.

Hoffmann,

Zur frage der fusskrankheiten. Deut. Landw. Presse 59: 500. O.1, 1932. no.40.

Deut. Landw. Presse. (cont.)
Hotopf, F.
Rinder-massensterben nach verfütterung von zuckerrubenblättern   Deut. Landw. Presse 60: 14.   Ja.14, 1933.   no.2.

Reihm, E.
Fusariumkrankheiten des getreides.
Deut. Landw. Presse   59: 650.   D.24, 1932. no.52.

Schütte,
Ueber schorf und stippigkeit der kartoffel.
Deut. Landw. Presse 59: 575.   N.12, 1932. no.46.

Ecology. (Brooklyn, N.Y.) (410Ec7)
Baldwin, H. I.
Soil temperatures and evaporation in a paper birch-white pine forest, Long Lake, Hamilton County, New York.   Ecology 14: 75.   Ja.1933. no.1.

Pessin, L. J.
Forest associations in the uplands of the lower Gulf Coastal Plain (longleaf pine belt). Ecology 14: 1-14. illus.   Ja.1933. no.1.

Ergebnisse Biol. (Berlin) (442Er3)
Du Buy, H.G. & Nuernbergk, E.
Phototropismus und wachstum der pflanze. I. Ergebnisse Biol.   9: 358-544. illus. 1932.

Farming So. Africa. (Pretoria)   (24So842)
Pretorius, W. J.
Losses caused by rust in wheat.   Farming So. Africa   8: 12-13. Ja.1933. no.82.

Reyneke, J.
The keeping quality of fruit.   Farming So. Africa 8: 19-21.   Ja. 1933.   no.82.

Flor. Rev. (Chicago) (80W41)
Richman, M. W.
Aster seedlings given additional light bloom quicker, pay better.   Flor. Rev. 71(1836): 9-18. illus.   F.16, 1933.   no.1838.

For. Bull. For. Res. Inst. India. (99.9In22B)
Chowdhury, K. A.
The identification of important Indian sleeper woods.   For. Bull. For. Res. Inst. India   no.77.   18 p.   xxx pl. fold.map. 1932.

Forstw. Centralbl. (Berlin) (99.8F775)

Kadambi, K.

Oekologische bemerkungen zur immergrünen waldzone in Dekkan, im süd-westen Indiens. Forstw. Centralbl. 55: 55-67. Ja.15, 1933. no.2.

Gard. Chron. (London) (80G162)

Friend, H.

Herbs and herbalists. I. The hyssop from the wall. Gard. Chron. III, 93: 80. illus. F.4, 1933. no.2406.

Grove, A.

Hybrid lilies. X. Summary and conclusion. Gard. Chron. III, 93: 79. illus. F.4, 1933. no.2406.

Hooper, C. H.

The insect visitors to fruit blossoms. Gard. Chron. III, 93: 82-84. illus. F.4,1933. no.2406.

Jackson, A. B.

Specimen trees at Knap Hill nursery. Gard. Chron. III, 93: 101. illus. F.11,1933. no.2407.

Famous old nursery, which was in existence as long ago as 1760.

O'Connor, C.

Potato breeding and resistance to blight. Gard. Chron. III, 93: 104-105. illus. F.11, 1933, no.2407.

Preston, I.

Lilies at Ottawa in 1932. Gard. Chron. III 93: 96. illus. F.11, 1933. no.2407.

Rodgrove, H. S.

The plants of the Bible. Gard. Chron. III 93: 100. F.11, 1933. no.2407.

Ward, F. K.

Mr. F. Kingdon Ward's eleventh expedition in Asia. XXII. Gard. Chron. III, 93: 81-82. illus. F.4, 1933. no.2406.

XXII. The Alps.

Gentes Herbarum. (450B15)

Bailey, L. H.

Addenda in Eubatus. In his Gentes herbarum 2: 443-471. illus. D.30, 1932. no.7.

Gentes Herbarum. (cont.)

Bailey, L. H.

Addenda in volume II, particularly in relation to nomenclature. In his Gentes herbarum 2: 427-441. illus. D.30, 1932.

Cucurbita vs.Pepo, and the validity of certain citations of the Linnaean period. - Eugenia paniculata, and the case of alternative names. - Hosta, and the case of the new homonym regulation. [H.erromena n.sp.] - Stevensonia-phoenicophorum, and the case of horticultural continuity in nomenclature.

Indian Journ. Agr. Sci. (Calcutta) (22Ag83I)

Dastur, R. H. & Chinoy, J. J.

Carbon dioxide assimilation of the leaves of the rice plant, Oryza sativa L. Indian Journ. Agr. Sci. 2: 431-454. illus. O.1932. no.5.

Luthra, J. C. & Bedi, K. S.

Some preliminary studies on gram-blight with reference to its cause and mode of perennation. Indian Jour. Agr. Sci. 2: 499-515. pl.xlix-liii. (5 on 4). O.1932. no.5.

Sen, K. R.

On the variation of certain characters of cotton in relation to the position of seeds in a lock. Indian Journ. Agr. Sci. 2: 484-498. O. 1932. no.5.

Thomas, R.

Bud variation in Co.213 sugarcane. Indian Journ. Agr. Sci. 2: 531-535. pl.liv-lvi. (1 col.) O.1932. no.5.

Ital. Agr. (Milan) (16Itl)

Munerati, O.

E possible separare delle comuni varietà di grano razze o linee resistenti alla carie? Ital. Agr. 70: 25-27. Ja.1933. no.1.

Journ. Amer. Soc. Agron. (Geneva, N. Y.) (4Am34P)

O'Kelly, J. F. & Hull, W. W.

Parent-progeny correlations in cotton. Journ. Amer. Soc. Agron. 25: 113-119. F.1933. no.2.

Pierre, W. H. & Pohlman, G. G.

Preliminary studies of the exuded plant sap and the relation between the composition of the sap and the soil solution. Journ. Amer. Soc. Agron. 25: 144-160. F.1933. no.2.

Journ. Amer. Soc. Agron. (cont.)

Pohlman, G. G. & Pierre, W. H.
The phosphorus concentration of the exuded sap of corn as a measure of the available phosphorus in the soil. Journ. Amer. Soc. Agron. 25: 160-171. F.1933. no.2.

Stanton, T. R.
Navarro oats. Journ. Amer. Soc. Agron. 25: 108-112. illus. F.1933. no.2.

Journ. Bot. (London) (450J82)

Barnes, B.
Notes on Lathyrus aphaca L. Journ. Bot. 71: 25-33. illus. F.1933. no.842.

Dandy, J. E.
The identity of Drimys oblonga S. Moore. Journ. Bot. 71: 45. F.1933. no.842.
Hypsophila halleyana.

Dandy, J. E.
The identity of Hydrolirion coreanum H.Lév. Journ. Bot. 71: 44. F.1933. no.842.
Sagittaria pygmaea.

Godward, M. B.
Contributions to our knowledge of British algae. III,IV. Journ. Bot. 71: 33-44. illus. F.1933. no.842.
III. The genus Naegeliella in Britain. IV. On a form of Phaeothamnion.

Pearsall, W. H.
Potamogeton macvicarii Ar.Benn. Journ. Bot. 71: 45-47. F.1933. no.842.
Potamogeton alpinus.

Thompson, H. S.
James Walter White (1846-1932). Journ. Bot. 71: 47-49. port. F.1933. no.842.

Journ. Dept. Agr. Porto Rico (Rio Piedras) (8P832J)

Nolla, J. A. B.
The damping-off of tobacco and its control in Puerto Rico. Journ. Dept. Agr. Porto Rico 16: 285-324. pl.xxvii-xxxvii. Jl.1932. no.3.

Journ. Imp. Agr. Expr. Stat. Nishigahara, Tokyo (107.6N63J)

Fuke, Y.

On the short day and illumination treatments in rice, referring specially to the time and duration of treatment. Journ. Imp. Agr. Exp. Stat. Nishigahara, Tokyo 1: 263-286. Mr.1931. no.4.

Japanese with English summary: p.283-286.

Kimura, J.

On the behavior of rice to mineral nutrients in solution-culture, especially compared with those of barley and wheat. Journ. Imp. Agr. Exp. Stat. Nishigahara, Tokyo 1: 375-402. Mr.1931. no.4.

Japanese with English summary: p.400-402.

Yamasaki, M.

On the cause of varietal distinctions in certain crop plants in regard to the resistance to the toxic action of potassium chlorate. Journ. Imp. Agr. Exp. Stat. Nishigahara, Tokyo 1: 305-326. pl.xxiv-xxxii. Mr.1931. no.4.

Japanese with English summary: p.321-325.

Yamasaki, M.

Testing of the resistance of varieties of certain crop plants to the toxic action of potassium chlorate with seeds and young seedlings. Journ. Imp. Agr. Exp. Stat. Nishigahara, Tokyo 1: 287-304. pl. xxvii-xxviii. Mr.1931. no.4.

Japanese with English summary: p.302-304.

Journ. Linn. Soc. Bot. (London) (451L64J)

Gates, R. R.

Some phylogenetic considerations on the genus Oenothera, with descriptions of two new species. Journ. Linn. Soc. Bot. 49: 173-197. pl. 26. Ja.27, 1933. no.328.

O. ammophiloides, O. victorini.

McCall, D.

Diatoms (recent and fossil) of the Tay district. Journ. Linn. Soc. Bot. 49: 219-308. illus, map. Ja.27, 1933. no.328.

Newman, I. V.

Studies in the Australian acacias. I-II. Journ. Linn. Soc. Bot. 49: 133-171. illus., pl.22-25. Ja.27, 1933. no.328.

I. General introduction. II. The life-history of Acacia baileyana (F.v.M.)

Journ. Linn. Soc. Bot. (cont.)

Saunders, E. R.

The cause of petaloid colouring in "apetalous" flowers. Journ. Linn. Soc. Bot. 49: 199-218. illus. Ja.27, 1933. no.328.

Journ. Min. Agr. Gt. Brit. (10G79J)

Cheal, W. F.

Apple scab spraying experiments in the Wisbech area. The times for application. Journ. Min. Agr. Gt. Brit. 39: 993-999. 2 pl. on 1. F.1933. no.11.

Garner, F. H. & Sanders, H. G.

Sulphuric-acid treatment of sugar-beet seed. Journ. Min. Agr. Gt. Brit. 39: 986-987. F.1933. no.11.

Journ. N. Y. Bot. Gard. (89N48J)

Alexander, E. J.

The Louisiana "red" irises: a new contribution to horticulture. Journ. N. Y. Bot. Gard. 34: 39-40. F.1933. no.398.

Abstract.

Stout, A. B.

The flowering habits of daylilies. Journ. N.Y. Bot. Gard. 34: 25-32. illus. F.1933. no.398.

Journ. Roy. Micro. Soc. (London) 440.9R81J)

Mills, F. W.

Some diatoms from Warri, South Nigeria. Journ. Roy. Micr. Soc. III, 52: 383-394. iv pl. D.1932. no.4.

Mottram, J. C.

The life-history of the nucleus and nucleolus and the effects of beta radiation upon them. Journ. Roy. Micr. Soc. III, 52: 362-369. illus. D.1932. no.4.

Experiments with root-tips of beans.

Perry, K. M.

Mitosis in Galanthus nivalis. Journ. Roy. Micr. Soc. III, 52: 344-356. illus., 2 pl. D.1932. no.4.

With special reference to chromosome structure, and the time at which splitting occurs.

Journ. S. E. Agr. Coll. Wye. (103W97J)
Salmon, E. S. & Ware, W. M.
Department of mycology. Journ. S.E. Agr. Coll. Wye 31: 13-21. Ja.1933.

Meld. Norges Landbruks. (slo) (104N762M)
Ording, A.
Ekens innvandring til Sørlandet og Jaeren. En analyse av de varmekrevende treslags innvandring efter istiden. (Immigration of the oak to the Southern Norway and Jaeren. An analysis of immigration of the heat-craving woods after the glacial epoch). Meld. Norges Landbruks 13: 229-262. illus. 1933. no.1/5.

Smith, F.
Researches on the influence of natural and artificial light on plants. I. On the influence of the length of day. Preliminary researches. Meld. Norges Landbruks 13: 1-228. 21 pl. on 10. 1933. no.1/5.

Mitt. Deut. Dendrol. Ges. (99.9D482)
Andreev, V.
Ueber nektarien und über die menge des nektars einiger gehölzarten. Mitt. Deut. Dendrol. Ges. 44: 99-105. 1932.

Bauer, G.
Beiträge zur kenntnis der berberidaceen. Mitt. Deut. Dendrol. Ges. 44: 42-46. 1932.

Boerner, F.
Juglans stenocarpa Maxim. Mitt. Deut. Dendrol. Ges. 44: 365-370. illus. (p.371), pl.33. 1932.
J. stenocarpa, J. mandschurica.

Boerner, F.
Syringa sweginzowii (Koehne et Lingelsh.) var. superba (Lemoine). Mitt. Deut. Dendrol. Ges. 44: 55. illus. pl. 6. 1932.

Bornmüller, J.
Die scharlachkrankheit der Mahonia, Uropyxis mirabilissima P. Magnus. Mitt. Deut. Dendrol. Ges. 44: 290-291. 1932.

Bornmüller, J.
Ueber rückschlagsbildungen an Crataegomespilus. Mitt. Deut. Dendrol. Ges. 44: 75-80. pl.9-10. 1932.

Mitt. Deut. Dendrol. Ges. (cont.)

Harms, H.
Unsere freiland-hamamelidaceen. Mitt. Deut. Dendrol. Ges. 44: 1-24. illus., pl.1. 1932.

Hartwig, K. G.
Cornus australis C. A. Meyer. Mitt. Deut. Dendrol. Ges. 44: 56-57. illus. 1932.

Höfker, H.
Eine neue Paulownia. Mitt. Deut. Dendrol. Ges. 44: 417. pl.53. 1932.
P. coreana.

Jahn, E.
Bemerkenswerte gehölze im Botanischen forstgarten der Forstliche hochschule in Hann, Münden. III. Mitt. Deut. Dendrol. Ges. 44: 69-75. pl.7-8. 1932.
4. Betula urticifolia. 5. Der bastard zwischen mispel und weissdorn.

Kammeyer, H. F.
Wertvolle zier-ribes. Mitt. Deut. Dendrol. Ges. 44: 37-42. pl.3-4. 1932.

Kanngiesser, F.
Dendrologische toxicologie VI. Mitt. Deut. Dendrol. Ges. 44: 282-286. 1932.

Küster, E.
Beiträge zur kenntnis der panaschierten gehölze XXXIII-XXXVI. Mitt. Dent. Dendrol. Ges. 44: 390-395. illus. 1932.
Panaschierung zweispitziger blätter. Randpanaschierung bei Prunus cerasifera pissartii. Die auf Sambucus tätigen minierer.

Küster, E.
Hexenbesen an der fichte. Mitt. Deut. Dendrol. Ges. 44: 305-306. pl.23-24. 1932.

Lanfer, K.
Androgyne zapfen. Untersuchungen über das auftreten abnormer anderungen in der geschlechtsverteilung bei abietineen. Mitt. Deut. Dendrol. Ges. 44: 351-357. pl.27-30. 1932.

Laubert, R.
Ungewöhnlicher rostbefall an zahlreichen ribesarten. Mitt. Deut. Dendrol. Ges. 44: 441-413. 1932.

Mitt. Deut. Dendrol. Ges. (cont.)

Liese, J.

Die douglasiennadelschütte und die möglichkeit ihrer bekämpfung. Mitt. Deut. Dendrol. Ges. 44: 294-304. pl.21-22. 1932.

Marzell, H.

Die deutschen bäume in der volkskunde. 9. Die eiche, Quercus robus und Q. sessiliflora. Mitt. Deut. Dendrol. Ges. 44: 164-174. 1932.

Radde-Fomin, O.

Kurze systematik der gattung Carpinus L. Mitt. Deut. Dendrol. Ges. 44: 31-33. 1932.

Rehder, A.

Zur geschichte der gehölzeinführungen nach Nordamerika. Mitt. Deut. Dendrol. Ges. 44: 114-122. 1932.

Schalow, E.

Rosa tomentella Léman und R. tomentosa Smith. Mitt. Deut. Dendrol. Ges. 44: 60-66. 1932.

New hybrid, R. schwertschlageri.

Schmidt, W.

Die wälder von Talysch. Mitt. Deut. Dendrol. Ges. 44: 179-183. pl.13-14. 1932.

Schneider, C.

Die bisher bekannten pappel-bastarde. Mitt. Deut. Dendrol. Ges. 44: 25-30. 1932.

Schwarz, H.

Das fagetum Ostamerikas. Versuch einer ökologischen klassification der wichtigsten baumelemente im "fagetum" Ostamerikas. Mitt. Deut. Dendrol. Ges. 44: 211-216. 1932.

Schwerin, F.

Die drei verbreitetsten roteichen und ihre augenfälligen unterschiedungsmerkmale. Mitt. Deut. Dendrol. Ges. 44: 33-36. illus. 1932.

Quercus rubra, Q. coccinea, Q. palustris.

Steffen, A.

Ueber die einführung der rhododendren Ostasiens. Mitt. Deut. Dendrol. Ges. 44: 106-114. 1932.

Mitt. Deut. Dendrol. Ges. (cont.)

Stipp, G.
Prunus serrulata sachalinensis Wilson und ihre formen. Mitt. Deut. Dendrol. Ges. 44: 58-60. 1932.

Suessenguth, K.
Ueber physiologisches altern und stammesgeschichtliches alter bei bäumen. Mitt. Deut. Dendrol. Ges. 44: 259-266. 1932.

Suringar, J. V.
Fiederblattbildung und blattspaltung bis verdoppelung an Ulmus campestris L. Mitt. Deut. Dendrol. Ges. 44: 310-313. illus., pl.25. 1932.

Ulbrich, E.
Die ausbildungsformen des kiefernwaldes. Mitt. Deut. Dendrol. Ges. 44: 219-239. 1932.

Uphof, J.C.T.
Dendrologische notizen aus dem staate Florida V. Biologische und morphologische beobachtungen über verschiedene pflanzen-gesellschaften. Mitt. Deut. Dendrol. Ges. 44: 184-207. illus., pl.15-16. 1932.
4. Die sumpf - und wasserwälder; pflanzenvereine einiger stehender gewässer.

Vill, G.
Populus monilifera. Mitt. Deut. Dendrol. Ges. 44: 66-68. 1932.

Voeikov, A.
Prinsepia sinensis Oliv. (=Plagiospermum sinense Bat.) und seine biologischen eigenschaften. Mitt. Deut. Dendrol. Ges. 44: 46-52. pl.5. 1932.

Wagner, J.
Die linden des historischen Ungarns. Mitt. Deut. Dendrol. Ges. 44:316-345. illus. 1932.

Wein, K.
Altweltliche gehölze der europäischen garten im wandel der jahrhunderte. Mitt. Deut. Dendrol. Ges. 44: 130-152. 1932.

Mitt. Deut. Dendrol. Ges. (cont.)
Wein, K.
Beiträge zur geschichte der einführung nordamerikanischer gehölze in Europa. Mitt. Deut. Dendrol. Ges. 44: 123-129. 1932.
1. Das verzeichnis eines englischen arboretums aus dem jahre 1742. 2. Nordamerikanische gehölze im Botanischen garten zu Leyden (1689). 3. Nordamerikanische gehölze im Botanischen garten zu Leyden (1710) 4. Nordamerikanische gehölze im Botanischen garten zu Göttingen (1743)

Mitt. Deut. Landw. Ges. (Berlin) (18D48M)
Becker,
Nochmals zur lagerfusskrankheit des weizens. I-II. Mitt. Deut. Landw. Ges. 48: 95-96. F.4, 1933. no.5.
Hoffmann, author part II.

Huntemann,
Einiges über die lebensbedingungen des echten sumpfschachtelhalms. Mitt. Deut. Landw. Ges. 48: 92-93. F.4, 1933. no.5.
Equisetum palustre.

Nachrichtenbl. Deut. Pflanzenschutzd. (Berlin) (464.9N11)
Köhler, E.
Viruskrankheiten, an tomaten und gurken unter glas. Nachrichtenbl. Deut. Pflanzenschutzd. 13: 11-13. F.1933. no.2.

Ziebarth, F.
Die hauptsächlichsten starken schäden an forstgehölzen im jahre 1932. Nachrichtenbl. Deut. Pflanzenschutzd. 13: 10-11. F.1933. no.2.

Nature (London) (472N21)
Brown, R.
Nitrogen fixation in the genus Lolium. Nature 131: 169-170. F.4, 1933. no.3301.

Lineham, P.A. & Mercer, S. P.
Fluorescence of Lolium seedlings in ultraviolet light. Nature 131: 202-203. F.11, 1933. no.3302.

Nature Mag. (Washington) (409.6N214)
Morse, E. E.
Podaxis, a stalked puffball. Nature Mag. 21: 112-114. illus. Mr.1933. no.3.

Naturwissensch. (Berlin) (474N213)

Kögl, F.

Die chemie des auxins und sein vorkommen im pflanzen- und tierreich. Naturwissensch. 21: 17-21. Ja.13, 1933. no.2.

Went, F. A. F. C.

Die bedeutung des wuchsstoffes (auxin) für wachstum, photo- und geotropische krümmingen. Naturwissensch. 21: 1-7. illus. Ja.6, 1933. no.1.

New Flora & Silva. (London) (80N422)

Bean, W. J.

Magnolias. II. Chinese species. New Flora & Silva 5: 11-19. 2 pl. on 4. O.1932. no.1.

Besant, J. W.

Rodgersias. New Flora & Silva 5: 94-96. 2 pl. on 1. Ja. 1933. no.2.

Cahen, E.

Arums. New Flora & Silva 5: 130-135. Ja.1933. no.2.

Cowan, J. M.

Plant names. New Flora & Silva 5: 75-83. 2 pl. on 1. Ja. 1933. no.2.

Frye, E. M.

The garden-wife's summer chronicle. New Flora & Silva 5: 20-30. 4 pl. on 2. O.1932; 5: 84-93. 4 pl. on 2. Ja.1933. no.1, 2.

Western North America.

Hay, T.

Cremanthodiums. New Flora & Silva 5: 3-5. pl. O.1932. no.1.

Jackson, A. B.

The coffin juniper. New Flora & Silva 5: 31-34. 2 pl. on 1. O.1932. no.1.

Juniperus coxii n.sp.

Lemperg, F.

Observations on the genus Edraianthus. New Flora & Silva 5: 136-144. 2 pl. on 1. Ja. 1933. no.2.

Leng, B. & Bunyard, E. A.

The Camellia in Europe. Its introduction and development. New Flora & Silva 5: 123-129. Ja.1933. no.2.

New Flora & Silva. (cont.)
Wall, A.
Some New Zealand shingle plants. New Flora & Silva 5: 111-113. pl. Ja.1933. no.2.

New Zeal. Journ. Sci. & Techn. (Wellington) (514N48)
Gibbs, J. G.
Club-root of Brassicas. Experiments on disinfection of seed-beds. New Zeal. Journ. Sci. & Techn. 14: 145-151. D.1932. no.3.

Parham, B. E.
Apple and pear black spot (scab). New Zeal. Journ. Sci. & Techn. 14: 184-192. D.1932. no.3.
Comparative records of the ascospore discharge in Venturia inaequalis (cke.) Aderhold and V. pirinia Aderh. throughout New Zealand in the spring of 1931.

Nova Acta R. Soc. Sci. Upsala. (502Up7N)
Nannfeldt, J. A.
Studien über die morphologie und systematik der nicht-lichenisierten inoperculaten discomyceten. Nova Acta R.Soc. Sci. Upsala IV, v.8, f.1, no.2. 368 p. illus., xx pl. 1932.

Obst- u. Gemüseb. (Berlin) (80P7750)
Kordes, H.
"Sclerotinia-welke" der treibhausgurken. Obst- u. Gemüseb. 79: 5-6. illus. Ja.22, 1933. no.1.

Pacific Rural Press. (San Francisco) (6P112)
Rudolph, B. A.
For control of walnut blight. Pacific Rural Press 125: 95. illus. F.11, 1933. no.6.

Phytopath. (464.8P56)
Jones, L. R.
Arthur Jaczewski 1863-1932. Phytopath. 23: 111-116. port. F.1933. no.2.

Kerling, L. C. P.
The anatomy of the "kroepoek-diseased" leaf of Nicotiana tabacum and of Zinnia elegans. Phytopath. 23: 175-190. illus. F. 1933. no.2.

Liming, O. N.
The preparation and properties of pentathionic acid and its salts; its toxicity to fungi, bacteria, and insects. Phytopath. 23: 155-174. F. 1933. no.2.

Phytopath. (cont.)

Ludbrook, W. V.
Pathogenicity and environal studies on Verticillium hadromycosis. Phytopath. 23: 117-154. illus. F.1133. no.2.

Mielke, J. L.
Comparison of pycnial stage of Cronartium ribicola on Pinus lambertiana and P. monticola. Phytopath. 23: 204-205. F.1933. no.2.

Narasimhan, M. J.
Cytological investigations on the spike disease of sandal, Santalum album. Phytopath. 23: 191-202. illus. F.1933. no.2.

Spaulding, P.
Dietrich preferable authority for Cronartium ribicola. Phytopath. 23: 203-204. F.1933. no.2.

Planta Arch. Wiss.Bot. (Berlin) (450P693)

Kaho, H.
Das verhalten der pflanzenzelle gegen schwermetallsalze. Planta Arch. Wiss. Bot. 18: 664-682. Ja.14, 1933. no.1.

Kattermann, G.
Ein beitrag zur frage der dualität der bestandteile des bastardkernes. Planta Arch. Wiss. Bot. 18: 751-785. illus., pl. ii-iii. Ja.14, 1933. no.1.

Lundegardh, H. & Burström, N.
Atmung und ionenaufnahme. Planta Arch. Wiss. Bot. 18: 683-699. Ja.14, 1933. no.1.

Müller, L.
Ueber den bau und die entwicklung des bewegungsmechanismus von Physostegia virginiana. Planta Arch. Wiss. Bot. 18: 651-663. illus. Ja.14, 1933. no.1.

Schanderl, H. & Kaempfert, W.
Ueber die strahlungsdurchlässigkeit von blättern und blattgeweben. Planta Arch. Wiss. Bot. 18: 700-750. illus. Ja.14, 1933. no.1.

Schmucker, T.
Zur blutenbiologie tropischer Nymphaea-arten. II. Bor als entscheidender faktor. Planta Arch. Wiss. Bot. 18: 641-650. illus. Ja.14, 1933. no.1.

Prakt. Blätt. Pflanzenb. u. Pflanzensch. (Freising) (464.8P88)
Böning, K.
Ueber eine zweite brennfleckenkrankheit des tabaks, hervorgerufen durch einen pilz aus der gattung Gloeosporium Desmaz. et Mont. Prakt. Blätt. Pflanzenb. u. Pflanzensch. 32: 253-255. illus. F.1933. no.2.

Flachs, K.
Salatfäule. Prakt. Blätt. Pflanzenb. u. Pflanzensch. 32: 261-264. illus. F.1933. no.2.
Sclerotinia minor.

Proc. Indian Sci. Congr. (513In22)
Ayyangar, G. N. Rangaswami.
The inheritance of characters in ragi, Eleusine coracana (Gaertn.) Proc. Indian Sci. Congr. 19: 55-65. 1932.

Chaudhuri, H.
The science of plant life in India. Proc. Indian Sci. Congr. 19: 273-289. 1932.

Kashyap, S. R.
Some aspects of the alpine vegetation of the Himalaya and Tibet. Proc. Indian Sci. Congr. 19: 13-53. 13 pl. 1932.

Proc. Intern. Illumin. Congress 1931 (334In48)
Odén, S., Köhler, G. & Nilsson, G.
Plant cultivation with the aid of electric light. A report on investigations in Sweden. Proc. Intern. Illumin. Congress, 1931. 2:1298-1326. illus., 3 pl. on 2, fold.tab. 1932.

Proc. K. Akad. Wetensch. Amsterdam. (503Am8P)
Overbeek, J. van.
An analysis of phototropism in dicotyledons. Proc. K. Akad. Wetensch. Amsterdam 35: 1325-1335. 1932. no.10.

Proc. Nat. Acad. Sci. (500N21P)
Gould, S. A., Pearl, R., Edwards, T. I. & Miner, J.R.
Available food, relative growth and duration of life in seedlings of Cucumis melo. Proc. Nat. Acad. Sci. 19: 228-233. F.1933. no.2.

Proc. Nat. Shade Tree Conf.

Bracken, J. R.

The artistic aspect of trees. Proc. Nat. Shade Tree Conf. 8: 35-42. 1932.

Liming, O. N.

The Dutch elm disease in America. Proc. Nat. Shade Tree Conf. 8: 111-113. 1932.

Rankin, W. H.

Spraying for leaf diseases of shade trees. Proc. Nat. Shade Tree Conf. 8: 64-67. 1932.

Wyman, D.

Woody shrubs which will withstand the shade or shade condition. Proc. Nat. Shade Tree Conf. 8: 55-63. 1932.

Proc. Roy. Soc. Ser. B. (London) (501L84B)

Barker, J.

The relation of the respiration of potatoes to the concentration of sugars and to the accumulation of a depressant at low temperatures. I-II. Proc. Roy. Soc. Ser. B. 112: 316-335, 336-358. F.1, 1932. no.777.

Analytic studies in plant respiration, IV,V. I. The effect of temperature-history on the respiration/sugar relation. II. The form of the normal respiration/sugar relation and the mechanism of depression.

Queensl. Agr. Journ. (Brisbane) (23Q33)

Simmonds, J. H.

Banana leaf spot. Progress report. Queensl. Agr. Journ. 39: 21-40. illus. Ja.1, 1933. no.1.

Mainly concerned with Cercospora musae but deals also with leaf speckle and yellow leaf spot.

Repert. Spec. Nov. Beih. (Dahlem bei Berlin) (450R29B)

Hayek, A. & Markgraf, F.

Prodromus florae peninsulae Balcanicae. Repert. Spec. Nov. Beih. v.30, pt.3, no.2. p.209-368. D.20, 1932.

Rep. Subord. Off. Dept. Agr. Madras (22M26Re)

Sundararaman, S.

Administration report of the mycologist for the year 1931-32. Rep. Subord. Off. Dept. Agr. Madras 1931/32: 123-129. 1932.

Rev. Algol. (Paris) (450R3212)

Avel, M.

Sur l'existence dans le Massif Central de la chrysomonadine Hydrurus foetidus Kirchner. Rev. Algol. 6: 347-349. D.1932. no.3/4.

Bachrach, E. & Lucciardi, N.

Influence de la concentration en ions hydrogène (pH) sur la multiplication de quelques diatomées marines. Rev. Algol. 6: 251-261. D.1932. no.3/4.

Feldmann, J.

Qu'est-ce que le Sporochnus dichotomus Zanardini? Rev. Algol. 6: 358-359. D.1932. no.3/4.

Carpomitra cabrerae var. mediterranea.

Feldmann, J.

Sur la biologie des Trichodesmium Ehrenberg. Rev. Algol. 6: 357-358. D.1932. no.3/4.

Grubb, V. M.

A collection of marine algae from Misaki, Japan. Rev. Algol. 6: 301-311. illus. D.1932. no.3/4.

Iyengar, M.O.P.

Studies on Indian Zygnemales. Rev. Algol. 6: 263-274. illus. D.1932. no.3/4.

Zygogonium talguppense, Mougeotia jogensis, M. adnata, n.spp.

Lami, R.

Quelques algues du grand lac Amer (Basse-Egypte) récoltées par M. le Professeur Gruvel, en avril 1932. Rev. Algol. 6: 355-356. D.1932. no.3/4.

Lami, R.

Récolte de Dilophus fasciola (Roth.) Howe dans la région de St-Malo. Rev. Algol. 6: 353-354. D.1932. no.3/4.

Lami, R.

Sur la salinité de l'eau contenue dans les Codium bursa. Rev. Algol. 6: 356-357. D.1932. no.3/4.

Rev. Algol. (cont.)

Lefèvre, M.
Recherches sur la biologie et la systématique de quelques algues obtenues en cultures. Rev. Algol. 6: 313-335. illus., pl.vi-vii. D.1932. no.3/4.

Miranda, F.
Remarques sur quelques algues marines des cotes de la Mânche. Rev. Algol. 6: 275-295. illus. D.1932. no.3/4.

Palm, B. T.
On parasitic and epiphyllous algae. I. A Chlorochytrium on Polygonum. Rev. Algol. 6: 337-346. illus. D. 1932. no.3/4.

Palm, B. T.
Rhodochytrium en Amérique centrale. Rev. Algol. 6: 351-353. D.1932. no.3/4.
Rhodochytrium spilanthidis on Spilanthes beccabunga.

Rosenvinge, L. K.
Notes sur Monstroma obscurum (Kütz.) J. Agardh. Rev. Algol. 6: 297-300. illus. D.1932. no.3/4.

Rev. Bot. Appl. (Paris) (26R323)

Chevalier, A.
Nouvelle contribution à l'étude systématique des Oryza. Rev. Bot. Appl. 12: 1014-1032. pl xv-xx. D.1932. no.136.

Corréa, P.
Note sur la cupuassurana. Rev. Bot. Appl. 12: 1050-1051. D.1932. no.136.

Costantin, J.
Les cannes sauvages de l'Inde. Rev. Bot. Appl. 12: 1001-1013. D.1932. no.136.

Koenig, P.
Les monimiacées à l'Ile Maurice. Rev. Bot. Appl. 12: 1052-1053. D.1932. no.136.

Rev. Gén. Bot. (Paris) (450R326)

Pontillon, C.
Contribution a l'étude physiologique des lipides du Sterigmatocystis nigra. Rev. Gén. Bot. 45: 20-52. Ja.1933. no.529.

Rhodesia Agr. Journ. (Salisbury) (24R34)

Christian, H. B.

Notes on African aloes. V. Rhodesia Agr. Journ. 30: 28-30. 3 pl. on 2. Ja.1933. no. 1.

Timson, S. D.

Witch weed control. A progress report. Rhodesia Agr. Journ. 30: 14-25. pl. Ja.1933. no.1.

Ricerche Osserv. e Divulg. Fitopat. Camp. ed Mezzog. R. Osserv. Reg. Fitopat. Portici. (464.9P832)

Cristinzio, M.

II pisello nella campania, e le sue principali malattie crittogamiche. Richerche Osserv. e Divulg. Fitopat. Camp. ed Mezzog. R. Osserv. Reg. Fitopat. Portici 1: 47-64. illus., pl.viii (col.) 1932.

Cristinzio, M.

Osservazioni preliminari sul riprodursi delle patate, da Actinomyces scabies (Thaxter) Gussow, e sulla sua prevenzione. Richerche e Divulg. Fitopat Camp. ed Mezzog. R. Osserv. Reg. Fitopat. Portici 1: 19-36. 1932.

Trotter, A.

Alcune osservazioni intorno alla patologia del cavolfiore ed in particolare intorno alle macchie nere, nerume, od alternariosi delle infiorescenze. Ricerche Osserv. e Divulg. Fitopat. Camp. ed Mezzog. R. Osserv. Reg. Fitopat. Portici 1: 38-46. illus. pl. iv-vii. 1932.

Trotter, A.

Aspetti e problemi di fitopatologia meridionale. Ricerche Osserv. e Divulg. Fitopat. Camp. ed Mezzog. R. Osserv. Reg. Fitopat. Portici 1: 1-10. 1932.

Trotter, A.

La scabbia comune o vaiulo dei tuberi di patata nei suoi rapporti con la concimazione. Richerche Osserv. e Divulg. Fitopat. Camp. ed Mezzog. R. Osserv. Reg. Fitopat. Portici 1: 11-18. pl. i-iii. 1932.

Sbornik Výzkumn Ustavů Zemed. ČSR. (Recueil Trav. Inst. Rech. Agron. Rép. Tchécosl.) (Prague) (19.509S)
Stummer, A. & Frimmel, F.
Die rebenzüchtung in Südmähren. Ein zehnjahresbericht 1922-1931. Sbornik Výzkumn. Ustavu Zemed. ČSR. no.94. 70 p. illus., 5 pl. (2 col.) 1932. no.94.

Schweiz. Zeitschr. Obst- u. Weinb. (Wädenswil) (80Sch9)
Wiesmann, R.
Der spat- oder kahlschorf der birnblätter und seine bedeutung für die ueberwinterung des birnschorfpilzes. Schweiz. Zeitschr. Obst- u. Weinb. 42: 18-23. illus. Ja.21, 1933. no.2.

Science (470Sci2)
The Morris arboretum. Science 77: 184-185. F.17, 1933. no.1990.
List of staff. Dr. R. H. True director.

Schaeffer, A. B. & Fulton, M.
A simplified method of staining endospores. Science 77: 194. F.17, 1933. no.1990.

Woods, A. F.
Herman Theodor Holm. Science 77: 183-184. F.17, 1933. no.1990.

Scient. Agr. (Ottawa) (7Sci2)
Sanford, G. B.
On treating seed potatoes for the control of common scab. Scient. Agr. 13: 364-373. 2 pl. F. 1933. no.6.

Scient. Amer. (New York.) (470Sci25)
Harding, T. S.
When cabbage has the yellows. Scient. Amer. 148: 135-137. illus. Mr.1933.
Research in the Bur. of plant industry U.S. Dept. of agriculture, particularly in the control of plant diseases.

Soil Sci. (Baltimore) (56.8So3)
Shreve, F. & Mallery, T. D.
The relation of caliche to desert plants. Soil Sci. 35: 99-113. pl. F.1933. no.2.

Wilson, P.W., Fred, E. B. & Salmon, M. R.
Relation between carbon dioxide and elemental nitrogen assimilation in leguminous plants. Soil Sci. 35: 145-165. F.1933. no.2.

So. African Gard. (Johannesburg) (80So87)

Bolus, L.

Plants, new or noteworthy. South African plants cultivated at the National botanic gardens, Kirstenbosch. So. African Gard. 23: 22. illus. Ja.1933. no.1.

Faucaria britteniae, F. duncanii n.spp.

Warner, H. H.

Plant names and what they teach us. So. African Gard. 23: 24. Ja.1933. no.1.

Tijdschr. Plantenz. (464.8T44)

Hus, P.

Misvormde appels. Tijdschr. Plantenz. 39: 11-13. pl. Ja.1933. no.1.

Jonge, L. J. A. de.

Plantenziektenkundige vraagstukken in verband met de vlascultuur. Tijdschr. Plantenz. 39: 1-10. Ja.1933. no.1.

Torreya. (450T63)

Bogusch, E. R.

The Palouse prairie balsam-root. Torreya 33: 4-5. illus. Ja./F. 1933. no.1.

Balsamorhiza sagittata.

Cockerell, T.D.A.

The name of a fossil Boraginaceous plant. Torreya 33: 15. Ja./F. 1933. no.1.

Biorbia fossilia (Lithospermum)

Johnson, E. L.

Fasciation in Lespedeza sieboldii Miq. Torreya 33: 6-7. illus. Ja./F. 1933. no.1.

Knobloch, I.W.

Plant records from Buffalo and vicinity. Torreya 33: 1-3. Ja./F. 1933. no.1.

Teuscher, H.

Some suggestions of a horticulturist on the problem "What is a species?" Torreya 33: 21-24. Ja./F. 1933. no.1.

Torrey, R. H.

Fire weeds. Torreya 33: 16. Ja./F. 1933. no.1.

Marchantia polymorpha, Funaria hygrometica.

Torreya (cont.)

Torrey, R. H.

Vegetable, mineral or animal? Curious concentric circles in Shawangunk quartzite, on Kittatinny mountain, N.J., which have received a wide variety of interpretations. Torreya 33: 8-14. illus. Ja./F. 1933. no.1.

"Suggestive of regular deposition of lime or silica about a growing circular thallus of some large marine alga".

Trans. Nat. Hist. Soc. Formosa (J410.9N19)

Fujita, Y.

Reply to Dr. Kanehira's "On Cunninghamia lanceolata and C. konishii". Trans. Nat. Hist. Soc. Formosa 22: 476-478. D.1932. no.123.

In Japanese.

Fukuyama, N.

Neue orchideen von Formosa. Trans. Nat. Hist. Soc. Formosa 22: 413-416. illus. D.1932. no.123.

Cymbidium gracillimum, Microstylis rochutuensis, n.spp.; Pleione formosans nivea, n.form.

Hibino, S.

Yushun Kudo., 1887-1932. Trans. Nat. Hist. Soc. Formosa 22: 399-405. port. D.1932. no.123.

Hosokawa, T.

Florule Liukiusyoensis. Trans. Nat. Hist. Soc. Formosa 22: 470-475. D.1932. no.123.

In Japanese, Enumeratio plantarum (p.473-475)

Kamikoti, S.

Einige neue arten von lauraceen aus Formosa. Trans. Nat. Hist. Soc. Formosa 22: 411-413. D.1932. no.123.

Neolitsea buisanensis, N. daibuensis, Litsea sasakii.

Masamune, G., K. & Suzuki, S.

A list of plants collected by Prof. Y.Kudo & Mr. Mori in Island "Kwasyoto". Trans. Nat. Hist. Soc. Formosa 22: 443-463. D.1932. no.123.

In Japanese.

Matsumoto, T.

Early diagnosis of plant diseases. Trans. Nat. Hist. Soc. Formosa 22: 406-407. D.1932. no.123.

Trans. Nat. Hist. Soc. Formosa (cont.)

Suzuki, T.

A critical study on the discontinuity between Ficus beecheyana Hook. et Arn. and F. koshunensis Hayata. (The preliminary report). Trans. Nat. Hist. Soc. Formosa 22:464-469. illus. D.1932. no.123.

Japanese with English résumé.

Tanaka, T.

Philippine Rutaceae-Aurantioideae. Trans. Nat. Hist. Soc. Formosa 22: 418-433. D.1932. no.123.

Revisio Aurantiacearum VII.

Yamamoto, W. & Ito, T.

Studies on the white pocket rot of "renkon-kusare" of Chamaecyparis formosensis Mats. Trans. Nat. Hist. Soc. Formosa 22: 433-442. pl. D.1932. no.123.

In Japanese.

Stereum sulcatum.

Yamamoto, Y.

Contributiones ad floram Formosanam. IV. Trans. Nat. Hist. Soc. Formosa 22: 408-410. illus. D.1932. no.123.

Oenanthe kudoi sp.nov., Rubus fraxinifolius, var. yushuni var.nov.

Trop. Agriculture West Indies (Trinidad) (26T754)

Briton-Jones, H. R.

The control of scab disease (Sporotrichum citri, Butler) in the British West Indies. Trop. Agriculture West Indies 10: 40-42. F.1933. no.2.

On orange.

Trudy Prikl. Bot., Gen. i Selek. Ser. A, Sotsial. Rast. (Bull. Appl. Bot. Gen.& Plant-Breed. Ser.A, Social. Plant Ind.) (451R92S)

Aleksandrov, V. G.

Anatomiia rastenii i selektsiia (Anatomy of plants and breeding). Trudy Prikl. Bot., Gen. i Selek. Ser.A, Sotsial. Rast. (Bull. Appl. Bot., Gen.& Plant-Breed. Ser. A, Social. Plant Ind.) 3: 37-52. illus. 1932.

Russian.

Trudy Prikl. Bot., Gen. i Selek. Ser. A, Sotsial. Rast. (Bull. Appl. Bot., Gen. & Plant-Breed. Ser. A, Social. Plant Ind.) (cont.)

Lavrova, Z.

Metod oranzhereĭnogo kontroli͡a i raspoznavanie grupp i sortov k krestotsvetnykh v ranneĭ stadii razviti͡ia (Method of greenhouse control and distinction of groups and varieties of Cruciferae in early stages of development). Trudy Prikl. Bot., Gen. i Selek. Ser.A, Sotsial. Rast. (Bull. Appl. Bot., Gen. & Plant-breed. Ser. A, Social Plant Ind.) 3: 97-107. illus. 1932.

Russian.

Pisarev, V. E. & Veselovsky, I. A.

Materialy k selektsii kartofeli͡a (Materials for potato breeding). Trudy Prikl. Bot., Gen. i Selek. Ser.A, Sotsial Rast. (Bull. Appl. Bot., Gen. & Plant-breed. Ser.A, Social. Plant Ind.) 3: 131-150. 1932.

Russian.

Prutskova, M., Lebedeva, M., Mel'nikov, A. & Ostanin, S.

Poleganie pshenits (Predvaritel'noe soobshchenie. (The lodging of wheats). Trudy Prikl. Bot., Gen. i Selek. Ser. A, Sotsial. Rast. (Bull. Appl. Bot., Gen. & Plant-breed. Ser. A, Social. Plant Ind.) 3: 67-87. illus. 1932.

Russian.

Tikhonov, P.M.

K voprosu ob otnositel'nosti i͡avleniĭ dominirovanii͡a (A contribution to the question of the relativeness of the phenomena of dominance) Trudy Prikl. Bot., Gen. i Selek. Ser. A, Sotsial. Rast. (Bull. Appl. Bot., Gen. & Plant-breed. Ser. A, Social Plant Ind.) 3: 151-155. illus. 1932.

Russian.

Trudy Sev.-Kav. Inst. Spets. i Tekhn. Kul. (Works North-Cauc. Inst. Spec. & Techn. Cult.) (Krasnodar) (20Se8)

Beketovsky, D. N.

K biologii plodonoshenii͡a shelkovits-rozovoĭ (Morus alba L. var. rosea) i plakuchei (M. a. L. var. pendula C.S.) (Zur biologie des fruchtragens des rosa maulbeerbaumes ... und des trauermaulbeerbaumes ...) Trudy Sev.-Kav. Inst. Spets. i Teckhn. Kul. (Works North-Cauc. Inst. Spec. & Techn. Cult.) 1: 36-51. illus. 1932. no.3.

Russian with German summary.

Trudy Sev.-Kav. Inst. Spets. i Tekhn. Kul. (Works North-Cauc. Inst. Spec. & Techn. Cult. (cont.)

Kerop'ian, P. S.

Materialy po kseniiam vtorogo periadka v plodovodstve (Materials about the xenias of II. range in fruit gardening). Trudy Sev.-Kav. Inst. Spets. i Tekhn. Kul. (Works North-Cauc. Inst. Spec. & Techn. Cult.) 1: 52-62. illus., col.pl. 1932. no.3.

Russian with English summary.

Kerop'ian, P. S. & Riadnova, I.M.

Materialy po izmeneniiu khimicheskogo sostava iablok (obshchaia kislotnost i sakharistost) pri sozrevanii) (Contributions referring to the chemical substance of apples (general presence of acid and sugar) during the time of ripening). Trudy Sev.-Kav. Inst. Spets. i Tekhn. Kul. (Works North-Cauc. Inst. Spec. & Techn. Cult.) 1: 121-131. 1932. no.1.

Russian with English summary.

Riadnova, I.M. & Sheliuto, M. I.

K voprosu o vliianii listovoi poverkhnosti na razvitie plodov u nekotorykh sortov iavloni (On the question of the influence of leaf surface on the development of some apple-trees fruits). Trudy Sev.-Kav. Inst. Spets. i Tekhn. Kul. (Works North-Cauc. Inst. Spec. & Techn. Kult.) 1: 113-120. illus. 1932. no.3.

Russian with English summary.

Uglitskikh, A. N.

Elementy metodiki morfologicheskogo raspoznavaniia dikikh iablon (Die elemente der methodik für morphologische erkennung der wilden apfelbäume) Trudy Sev.-Kav. Inst. Spets i Tekhn. Kul. (Works North-Cauc. Inst. Spec. & Techn. Cult.) 1: 5-85. illus. 1932. no.3.

Russian with German summary.

Die materialien für das studium der wilden apfelbäume des Nord-Kaukasus.

U.S. Dept. Agr. Circ. (1Ag84C)

Clayton, E. E. & Gaines, J. G.

Downy mildew of tobacco. U.S. Dept. Agr. Circ. no.263. 7 p. illus. Ja.1933.

Darrow, G.M. & Waldo, G. F.

The Potomac raspberry. U.S. Dept. Agr. Circ. 259. 4 p. illus. Ja.1933.

Univ. Calif. Publ. Bot. (Berkeley) (500C125B)
Richardson, M.M.
Chromosome variation in Listeria ovata R. Br. Univ. Calif. Publ. Bot. 17: 51-60. illus. 1933. no.3.

Valt. Maatalouskoet. Julkais. (Helsingfors) (20F495)
Rainio, A. J.
Punahome Fusarium roseum Link, Gibberella saubinetii (Mont.) Sacc., ja sen eiheuttamat myrkytykset kaurassa. (Fusarium roseum beim hafer und dadurch hervorgerufen vergiftungen). Valt. Maatalouskoet. Julkais. no.50. 45 p. illus. 1932.
German summary: p.36-39.

Věstník Českosl. Akad. Zeměd. (Prague) (19.5C332)
Kočnar, K.
Tvorba zrn v prašníkových latách u kukuřice. (Ueber die kornbildung in den pollenrispen bei Zea mais). Věstník Českosl. Akad. Zeměd. 9: 16-17. illus. 1933. no.1.

Kočnar, K.
Vliv podložky durmanu a rajského jablíčka na vývoj bramborového roubu (Ueber die entwickelung des kartoffelreise auf den datura- und paradiesapfel-unterlagen) II. Věstník Českosl. Akad. Zemed. 9: 17-19. illus. 1933.

Zeitschr. Indukt. Anstamm. u. vererbungsl. (Liepzig) (442.8Z34)
Haupt, G.
Beiträge zur zytologie der gattung Marchantia (L.) II. Zeitschr. Indukt. Abstamm. u. Vererbungsl. 63: 390-419. illus., pl. 1933. no.4.

Schnitzler, O.
Untersuchungen über reziprok verschiedene bastarde in der gattung Epilobium. Zeitschr. Indukt. Abstamm. u. Vererbungsl. 63: 305-356. illus. 1933. no.4.

Zeitschr. Pflanzenkr. (Stuttgart) (464.8Z3)
Reinmuth, E. & Finkenbrink, W.
Experimentelles zur frage der eisenfleckigkeit der kartoffel. Zeitschr. Pflanzenkr. 43: 21-28. illus. Ja. 1933. no.1.

Zeitschr. Pflanzenkr. (cont.)

Stephan, J.

Die oxydasen in der phytopathologischen literatur. Zeitschr. Pflanzenkr. 43: 1-13. Ja. 1933. no.1.

Exper. Stat. Publ.

Brown, J. G. & Evans, M. M.

Two diseases of peas new to Arizona. Arizona Agr. Exp. Stat. Techn. Bull. 44. p.289-324. illus., pl., tab. N.16, 1932 (Rec'd Ja.1933) (100Ar4)

Fusarium root rot (undescribed variety of F. merismoides), bacterial blight (Phytomonas pisi)

Weldon, G. P. & Lesley, J. W.

The Babcock peach. California Agr. Exp. Stat. Circ. 328. 5 p. illus. Ja. 1933.(100C12S)

Doutt, M. T.

Anatomy of Phaseolus vulgaris L. var. Black valentine. Mich. Agr. Exp. Stat. Techn. Bull. 128. 31 p. illus., pl. D.1932(Rec'd F.1933)(100M58S)

Drain, B. D.

Field studies of bud sports in Michigan tree fruits. Michigan Agr. Exp. Stat. Techn. Bull. 130. 48 p. illus. D.1932 (100M58S)

State Publications.

Ball, W. S., Robbins, W.W.

Canada thistle (Circium arvense Scop.). Month. Bull. Dept. Agr. Calif. 21: 394-395. col.pl. (front.) O./N.1932. no.10/11.(2C12M)

Ball, W. S. & Robbins, W. W.

Quack-grass (Agropyron repens Beauv.). Month. Bull. Dept. Agr. Calif. 21: 414-415. O./N. 1932. no.10/11. (2C12M)

New Books.

Chester county mushroom laboratories.

Successful mushroom growing. An outline of mushroom culture. West Chester, Pa., 1932. (91.7C42)

Clute, W. N.

The useful plants of the world. 2d ed. Indianapolis, Ind., Willard N. Clute & Co., 1932. (452.8C62)

New Books (cont.)

Gt. Britain. Ministry of agriculture and fisheries.
Bibliography of literature on agricultural metorology. 4 pts in 3 v. London,1932 (241G794)
Mimeographed.

Jávorka, S.
A magyar florá képekben (Iconographia florae hungaricae) pt. xiv. Budapest, 1932 (459.7J32Ma)

Leavitt, R. C.
Forest trees of New England. Jamaica Plain, Arnold Arboretum, 1932. (455.2L48)

Natividade, J. V.
A improdutividade em pomologia. Estudo fisiológico e citológico. Alcobaca, Oficina de José de Oliveira júnior, 1932 (463.8N21)

Nova Guinea. Résultats des expéditions scientifiques à la Nouvelle Guinée. v.xiv Botanique, livr. iv, publiés sous la direction de Dr. L.F. de Beaufort, et de Dr. A.A. Pulle et L. Rutten. Leiden, E.J. Brill, 1932. (411.3N85)
Compositae by Joh. Mattfield; Dichapetalaceae by E. Krause; Scrophulariaceae by L. Diels & J. Lanjouw; Frullaniaceae by Fr. Verdoorn; Enumeration of the Sapotaceae, thus far known from New Guinea by H. J. Lam.

Murashinsky, K. E.
Bolenzni zernovykh kul'tur. Sbornik rabot pod pedaktsiei Prof. K.E. Murashkinskogo. [Diseases of cereal crops. A collection of papers edited by Prod. K.E. Murashinsky] Omsk, 1932 (464.02M93)
Russian.
Includes articles by M.K. Ziling and P.N. Dobromyslov.

Saunders, C. F.
Western wild flowers. Garden City, N.Y., Doubleday, Doran & Co., 1933 (455.8Sa8W)

Scott, O.M. & sons co.
Lawn making and maintenance. A discussion of the problems involved. Marysville, Ohio. O.M. Scott & sons co., 1932 (Pamph.60.1Sc)
IX.Weed control: p.40-44.

Verdoorn, F.
Manual of bryology. The Hague, M. Nijhoff,1932 (461.3V58)
Contributions by various authors.

BOTANY

CURRENT LITERATURE

LIBRARY
RECEIVED
★ MAR 28 1933 ★
U.S. Department of Agriculture

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY.
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D.C.

Vol. 15, no. 5. Feb.27-Mar.11,1933.

Agr. Gaz. N.S.W. (Sydney) (23N472)
Noble, R. J.
Basal glume rot. A bacterial disease of wheat. Agr. Gaz. N.S.W. 44:107-109. illus. F.1, 1933. no.2.

Agr. Journ. Dept. Sci. & Agr. Barbados. (8B23)
Hardy, F.
Some aspects of the flora of Barbados. III. Agr. Journ. Dept. Sci. & Agr. Barbados. 1(3): 19-52. Jl.1932.
The mesophyte and the hydrophyte associations.

McIntosh, A. E. S.
Report of the geneticist for the year 1931-32. Agr. Journ. Dept. Sci. & Agr. Barbados 1(3): 1-18. Jl. 1932. no.3.
I. Sugar cane. II. Sweet potato. III. Cotton.

Amer. Forests (Washington) (99.8F762)
Buttrick, P. L.
The romance of cork. Amer. Forests 39: 110-113, 140. illus. Mr.1933. no.3.

Amer. Journ. Bot. (450Am36)
Allen, E. K. & Allen, O. N.
Attempts to demonstrate symbiotic nitrogen-fixing bacteria within the tissues of Cassia tora. Amer. Journ. Bot. 20: 79-84. illus. F.1933. no.2.

Arnold, C. A.
A lycopodiaceous strobilus from the Pocono sandstone of Pennsylvania. Amer. Journ. Bot. 20: 114-117. illus. F.1933. no.2.

Griggs, R. F.
The colonization of the Katmai ash, a new and inorganic "soil". Amer. Journ. Bot. 20: 92-113. illus. F.1933. no.2.
In 1930 extensive areas covered with two species of leafy liverworts, of which Cephaloziella byssacea seemed the more important.

Amer. Journ. Bot. (cont.)

Haasis, F. W.
Shrinkage and expansion in woody cylinders of living trees. Amer. Journ. Bot. 20: 85-91. illus. F.1933. no.2.

Jackson, G.
A study of the carpophore of the Umbelliferae. Amer. Journ. Bot. 20: 121-144. illus. F.1933. no.2.

Macht, D. I. & Meyer, J. D.
Effect of eighteen normal aliphatic alcohols on growth of Lupinus albus. Amer. Journ. Bot. 20: 145-149. F.1933. no.2.

Swallen, J. R.
Bracteola, a new grass genus from Africa. Amer. Journ. Bot. 20: 118-120. illus. F.1933. no.2.
B. lucida.

Anal. Inst. Biol. Mexico. (442.9M57)

Bravo, H.
Contribucion al conocimiento de las cáctaceas del estado de Guerrero. Cactaceae del Cañon del Zopilote. Anal. Inst. Biol. Mexico 3: 375-398. illus. 1932. no.4.

Animadv. Syst. Herb. Univ. Tomsk. (451T59)

Juzepchuk, S. V.
Materialy po izucheni͡iu sibirskikh predstaviteleĭ roda Alchimilla L. (Prodomus florae alchimillarum Sibiriae). Animadv. Syst. Herb. Univ. Tomsk 1932, no.5/6. 9 p.
Latin diagnoses.

Krylov, P. N.
Novye vidy roda Astragalus s Alta͡ia [New species of Astragalus of the Altai]. Animadv. Syst. Herb. Univ. Tomsk. 1932, no.3. 7 p. illus.
A. majevskianus, A. kaufmanni, A. politovii.
Russian with Latin diagnoses.

Krylov, P. N.
Novyi vid roda Oxytropis DC. iz Bukhtarminskogo (Species nova generis Oxytropis DC e Buchtarma). Animadv. Syst. Herb. Univ. Tomsk. 1932(7/8): 1-3. pl.
O. sumneviczii.
Russian with Latin diagnosis.

Animadv. Syst. Herb. Univ. Tomsk. (cont.)

Lavrov, N.

Novye formy slizevikov Sibiri (Formar novae myxomycetum Sibiriae). Animadv. Syst. Herb. Univ. Tomsk. 1929(4/5): 1-3. pl.

Russian with Latin diagnoses (Hemitrichia cornuvioides n. sp.)

Popova, T. G.

O dvukh novykh formakh vodoroslei iz Zapadnoi Sibiri(De duabus formis novis algarum e Sibiria occidentali). Animadv. Syst. Herb. Univ. Tomsk. 1929(4/5): 4-6. pl.

Russian with Latin diagnoses (Oocystis salina, Uronema confervicolum)

Reverdatto, V. V.

Dva novykh vida roda Agropyrum Gaertn. s nizov'ev r. Eniseia (Duae species novae generis Agropyrum ex parte inferiore fl. Jenissej). Animadv. Syst. Herb. Univ. Tomsk. 1932, no.4. 2 p.

A. tugarinovii, A. turuchanense.

Russian with Latin diagnoses.

Sergievskaja, L.

O vidakh roda Papaver na Altae (Notulae ad species generis papaveris in montibus altaicis). Animadv. Syst. Herb. Univ. Tomsk. 1931, no.1. 3 p.

Russian with Latin diagnosis.

Shishkin, B. K.

Novye vidy Astragalus L. i Oxytropis DC s. Altaia (Species novae altaicae generum Astragalus L. et Oxytropis DC). Animadv. Syst. Herb. Univ. Tomsk. 1932(7/8): 3-5.

A.aksaicus, O. alpestris.

Russian with Latin diagnoses.

Shishkin, B. K. & Sergievskaja, L.

Novyi vid roda Lotus L. iz Azii (Species nova asiatica generis Lotus L.). Animadv. Syst. Herb. Univ. Tomsk. 1932(7/8): 5-6.

Russian with Latin diagnosis (L. krylovii).

Summevich, G.

Novye turkestanskie vidy semeistva Papilionaceae (Plantae novae turkenstanicae e familia Papilionaceae). Animadv. Syst. Herb. Univ. Tomsk 1931, no.4. 4 p.

Hedysarum.

Russian with Latin diagnoses (Hedysarum schischkinii, H. krylovii n. spp.

Animadv. Syst. Herb. Univ. Tomsk. (cont.)

Sumnevich, G.

O nekotorykh aziatskikh vidakh roda Medicago L. (De speciebus nonnulis asiatics generis medicaginis L.). Animadv. Syst. Herb. Univ. Tomsk. 1932, no. 1/2. 14 p. pl.

Russian with Latin diagnoses (M. trautvetteri, M. schischkinii n.spp.

Tomin, M. P.

Novyĭ vid lishainika na Altae. [A new lichen from Altai] Dermatocarpon desertorum sp.nov. Animadv. Syst. Herb. Univ. Tomsk. 1931, no.4. 2 p.

Russian with Latin diagnosis.

Zamelis, A.

Dva novykh vida manzhetok iz Zapadnoĭ Sibiri (Duae species novae alchimillarum Sibiriae occidentalis). Animadv. Syst. Herb. Univ. Tomsk. 1931, no.3. 4 p.

Russian with Latin diagnoses (A. lidijae, A. sibirica.)

Ann. Agron. (Paris) (14An75)

François, L.

Differents types de graines du genre Plantago. Ann. Agron. (Paris) n.s. 3:91-112, illus. Ja./F. 1933. no.1.

Lagatu, H. & Maume, L.

Le diagnostic foliaire de la pomme de terre. II. Ann. Agron. (Paris) n.s. 3: 1-52. Ja./F. 1933. no.1.

Ann. Mus. Colon. Marseille (410.9M35)

Motte, J.

Le konnyaku du Japon. Ann. Mus. Colon. Marseille v.40(IV,10) fasc.3. 22 p. illus. 1932. no.3.

Amorphophallus rivieri.

Ann. Mycol. (Berlin) (450An76)

Arthur, J. C. & Cummins, G. B.

New species of Uredinales. Ann. Mycol. 31: 41-45. illus. 1933. no.1/2.

Includes Atelocauda nov.gen. (A. incrustans)

Blochwitz, A.

Die gattung Aspergillus. Neue species, synomyme und nachträge. Ann. Mycol. 31: 73-83. 1933. no.1/2.

Ann. Mycol. (cont.)

Gäumann, E. & Zobrist, L.
Ueber eine neue Geranium-bewohnende Uromyces-art. Ann. Mycol. 31: 49-53. 1933. no.1/2.
U. kochianus.

Gäumann, E.
Ueber Puccinia triniae n. sp. Ann. Mycol. 31: 46-48. 1933. no.1/2.

Kern, F. D., Ciferri, R. & Thurston, H. W.
The rust flora of the Dominican Republic. Ann. Mycol. 31: 1-40. 1933. no.1/2.

Pilát, A. & Veselý, R.
De specie nova generis Sparassis Fries in Cechloslovakia lecta; Sparassis nemecii sp.n. Ann. Mycol. 31: 56-58. pl.i-ii. 1933. no.1/2.

Pilát, A.
Eine interessante pilzinfektion des Weinberger tunnels in Prag. Ann. Mycol. 31: 59-72. 1933. no.1/2.
Leptoporus undatus (Polyporus).

Pilát, A.
Nemecomyces g.n., agaricinearum ochrosporicarum genus novum mongolicum. Ann. Mycol. 31: 54-55. 1933. no.1/2.
N. mongolicus.

Sydow, H. & Mitter, J. H.
Fungi indici. I- Ann. Mycol. 31: 84-97. 1933. no.1/2.
Includes Mitteriella nov.gen. (M. zizyphina).

Ann. Serv. Bot. et Agron. Tunisie. (108T832A)

Beauverie, M. A.
Les maladies a ultravirus des plantes. Ann. Serv. Bot. et Agron. Tunisie 9: 1-175. 8 pl. on 4. 1932.

Chabrolin, C.
Contribution a l'étude des maladies des arbres fruitiers en Tunisie. Ann. Serv. Bot. et Agron. Tunisie 9: 177-200. 8 pl. on 4. 1932.
Orange and date.

Petit, A.
La transmission et le traitement des rouilles des céreales en Tunisie. Ann. Serv. Bot. et Agron. Tunisie 9: 201-218. 1932.

Ann. Appl. Biol. (London) (442.8An72)

Caldwell, J.

The physiology of virus diseases in plants. IV. The nature of the virus agent of aucuba or yellow mosaic of tomato. Ann. Appl. Biol. 20: 100-116. F.1933. no.1.

Campbell, A. H.

Zone line in plant tissues. Ann. Appl. Biol. 20: 123-145. pl. xi-xiii. F.1933. no.1.

Norman, A. G.

The biological decomposition of plant materials. VII. The availability of the nitrogen of fungal tissues. Ann. Appl. Biol. 20: 146-164. F. 1933. no.1.

Samuel, G. & Bald, J. G.

On the use of the primary lesions in quantitative work with two plant viruses. Ann. Appl. Biol. 20: 70-99. pl.x. F.1933. no.1.

Tobacco mosaic, tomato spotted wilt.

Sharples, A.

Lightning storms and their significance in relation to diseases of (1) Cocos nucifera and (2) Hevea brasiliensis. Ann. Appl. Biol. 20: 1-22. illus. pl.i-ii. F.1933. no.1.

Sheffield, F. M. L.

The development of assimilatory tissue in Solanaceous hosts infected with aucuba mosaic of tomato. Ann. Appl. Biol. 20: 57-69. pl. vii-ix. F.1933. no.1.

Smith, J. H.

Streak in tomatoes aseptically grown. Ann. Appl. Biol. 20: 117-122. F.1933. no.1.

Storey, H. H. & Leach, R.

A sulphur-deficiency disease of the tea bush. Ann. Appl. Biol. 20: 23-56. pl.iii-vi (1 col.) F.1933. no.1.

Tea yellows caused by deficit of sulphur, Rhizoctonia not implicated.

Ann. Bot. (London) (450An7)

Bailey, I. W.

The cambium and its derivative tissues; VII. Problems in identifying the wood of mesozoic Coniferae. Ann. Bot. 47: 145-157. pl.iii-iv. Ja.1933. no.185.

Ann. Bot. (cont.)

Bharadwaja, Y.
Contributions to our knowledge of the Myxophyceae of India. Ann. Bot. 47: 117-143. illus. Ja.1933. no.185.

Dastur, R. H. & Desai, B. L.
The relation between water-content, chlorophyll-content, and the rate of photosynthesis in some tropical plants at different temperatures. Ann. Bot. 47: 69-88. illus. Ja.1933. no.185.
Experiments with Abutilon asiaticum, Ricinus communis and Helianthus annuus.

Duerden. H.
On the xylem elements of certain fossil pteridophyta. Ann. Bot. 47: 187-195. pl.vii. Ja. 1933. no.185.

Goodwin, K. M.
A trisomic Oenothera. Ann. Bot. 47: 88-100. pl.ii. Ja.1933. no.185.

Gupta, S. N. Das
Studies in the genera Cytosporina, Phomopsis, and Diaporthe. III. On the pathogenicity of Cytosporina ludibunda and its saltants. Ann. Bot. 47: 197-226. illus. Ja.1933. no.185.

Haas, P. & Hill, T. G.
Observations on the metabolism of certain seaweeds. Ann. Bot. 47: 55-67. Ja.1933. no.185.

Iyengar, M. O. P.
Eballocystopsis indica n.gen. et sp., a new member of Chlorodendrales. Ann. Bot. 47: 21-25. illus. Ja. 1933. no.185.

Jordan, R. C. & Chibnall, A. C.
Observations on the fat metabolism of leaves. II. Fats and phosphatides of the runner bean (Phaseolus multiflorus). Ann. Bot. 47: 163-186. Ja.1933. no.185.

Leemann, A. C.
The anatomical and physiological relation between Hydnora solmsiana Dinter and its host. Ann. Bot. 47: 159-162. pl.v-vi. Ja.1933. no.185.

Rees, E. M.
Some observations in Bifurcaria tuberculata Stackh. Ann. Bot. 47: 101-115. illus. Ja. 1933. no.185.

Ann. Bot. (cont.)
Thoday, D. & Evans, H.
Studies in growth and differentiation. IV. The distribution of some solutes in the tissues of Kleinia articulata. Ann. Bot. 47: 1-20. illus Ja. 1933. no.185.

Tincker, M.A.H. & Darbishire, F. V.
Studies on the formation of tubers and other storage organs. Ann. Bot. 47: 27-57. pl.i. Ja.1933. no.185.
The influence upon translocation of the period of light and the supply of potassium [Experiments with Phaseolus multiflorus, Dahlia (2 var.), Stachys tuberifera]

Ann. Rep. Dept. Agr. Sierra Leone (24Si2)
Deighton, F. C.
Mycological work. Ann. Rep. Dept. Agr. Sierra Leone 1931: 21-25. 1932.

Arb. Biol. Reichsanst. Land- u. Forstw. Berlin. (410.9G31)
Bechhold, H. & Erbe, F.
Studie über die kolloidstruktur der kartoffelknolle. Unterschiede zwischen vital- und abbauknollen. Arb. Biol. Reichsanst. Land.- u. Forstw. Berlin 20: 111-139. illus. Ag.1932. no.2.
Zur biologie der kartoffel. XVI.
Unter mitarbeit von K. Silbereisen und F. Back.

Gassner, G. & Straib, W.
Die bestimmung der biologischen rassen des weizengelbrostes (Puccinia glumarum f.sp. tritici [Schmidt] Erikss. u. Henn. Arb. Biol. Reichsanst. Land.- u. Forstw. Berlin 20: 141-163. Ag.1932. no.2.

Hassebrauk, K.
Gräserinfektionen mit getreiderosten. Arb. Biol. Reichsanst. Land- u. Forstw. Berlin. 20: 165-182. Ag.1932. no.2.

Ark. Bot. (Stockhold) (451Sv2).
Cedergren, G. R.
Die algenflora der provinz Härjedalen. Ark. Bot. v.25, no.4. 109 p. illus., 4 pl. 1933. (D.16, 1932)

Ark. Bot. (cont.)

Hammarlund, C.

Beiträge zur kenntnis der mikromycetenflora der provinz Skåne (Schonen). Ark. Bot. v.25, no.3. 126 p. 3 pl. 1933(Jl.4,1932)

Beitr. Biol. Pflanz. Cohn (Breslau) (450066)

Bickenbach, K.

Zur anatomie und physiologie einiger strand- und dünenpflanzen. Beiträge zum halophytenproblem. Beitr. Biol. Pflanz. Cohn. 19: 334-370. 1932. no.3.

Buder, J.

Ueber die phototropische empfindlichkeit von Phycomyces für verschiedene spektralgebiete. Beitr. Biol. Pflanz. Cohn. 19: 420-435. 1932. no.3.

Deleano, N. T.

Beiträge zum studium der rolle und wirkungsweise der mineral- und organischen stoffe im pflanzenleben. I-II, Beitr. Biol. Pflanz. Cohn. 19: 249-286. 1932; 20: 179-197. 1932. no.3 , 2.

I.I. Andreesco, joint author I, C.Bordeianu, II.

I.Der quantitative stoffwechsel der mineral- und organischen substanzen in den Salix fragilis blättern während ihrer entwicklung. II. Der quantitative stoffwechsel der mineral- und organischen substanzen in den blättern und geschälten samen von Aesculus hippocastanum während ihrer entwicklung,

Hartmann, H.

Reaktionen von koleoptilen und wurzeln im elektrischen feld. Beitr. Biol. Pflanz. Cohn 19: 287-333. illus. 1932. no.3.

Kisser, J. & Possnig, J.

Untersuchungen über den einfluss gehemmter und geförderter sauerstoffatmung auf samenkeimung und keimlingswachstum. Beitr. Biol. Pflanz. Cohn. 20: 77-104. 1932. no.2.

Silberschmidt, K.

Studien zum nachweis von antikörpern in pflanzen II, teil B. Beiträge zur frage der resistenz und immunitat von pflanzen gegenüber dem infizierenden agens der viruskrankheiten. Beitr. Biol. Pflanz Cohn 20: 105-178. 1932. no.2.

Wiechulla, O.

Beiträge zur kenntnis der lichtwachstumsreaktion von Phycomuces. Beitr. Biol. Pflanz. Cohn. 19: 371-419. illus. 1932. no.3.

Ber. Offenbacher Ver. Naturk. (5090f2)

Röll, J.

Ueber die moose im Hengster bei Offenbach(Main) Ber. Offenbacher Ver. Naturk. 69/73: 1-8. My.1932.

Spilger, L.

Johann Philipp Huth (1644-1727) und sein wetterauer herbar. Ber. Offenbacher Ver. Naturk. 69/73: 9-52. iv pl. on 2. My.1932.

Biochem. Journ. (London) (382N52)

Campbell, W. G.

The chemistry of the white rots of wood III. The effect on wood substance of Ganoderma applanatum (Pers.) Pat., Fomes fomentarius (Linn.) Fr., Polyporus adustus (Willd.) Fr., Pleurotus ostreatus (Jacq.) Fr., Armilliaria mellea (Vahl) Fr., Trametes pini (Brot.) Fr., and Polystictus abietinus (Dicks.) Fr. Biochem. Journ. 26: 1829-1838. 1932. no.6.

Crane, M. B. & Zilva, S. S.

The antoscorbutic potency of apples V. Biochem. Journ. 26: 2177-2181. 1932. no.6.

Norman, A. G.

The chemistry of mould tissue I-II. Biochem. Journ. 26: 1934-1945, 1946-1953. 1932. no.6.

W.H.Peterson, joint author, I; R.C.Houtz, II,

I. Soluble carbohydrate constituents. II. The resistant cell-wall material.

Oxford, A. E. & Raistrick, H.

Studies in the biochemistry of micro-organisms XXV. s:5-dihydroxyphthalic acid, a new product of the metabolism of glucose by Penicillium brevicompactum and related species. Biochem. Journ. 26: 1902-1918. 1932. no.6.

Biochem. Zeitschr. (Berlin) (384B522)

Lüdtke, M. & Achmed, H.

Ueber einen pflanzlichen welkstoff. Biochem. Zeitschr. 257: 256-266. Ja.28, 1933. no. 4/6.

Rewald, B. & Schwieger, A.

Ueber den phosphatidgehalt von äpfeln, birnen, pflaumen und pfirsichen. Biochem. Zeitschr. 257: 289-292. Ja.28, 1933. no. 4/6.

Ber Biologie (München) (442.8B527)

Lakowitz, C.

Die erforschung der algenwelt der deutschen meere. Der Biologie 2: 105-112. illus. F. 1933. no.5.

Biol. Zentralbl. (Leipzig) (442.8B523)
Thimann, K. V. & Dolk, H. E.
Conditions governing the production of the plant growth hormone by Rhizopus cultures. Biol. Zentralbl. 53: 49-66. 1933. no.1/2.

Boll. R. Staz. Patol. Veg. Roma (Firenze) (464.9R662)
Curzi, M.
Su una clorosi maculata della rosa. Boll. R. Staz. Patol. Vet. Roma n.s.,12: 365-376. illus., pl.xix. 1932. no.4.

Petri, L.
Sopra la opportunità di applicare le odierne nozioni della genetica alla produzione di nuovi portinnesti per la vite europea. Boll. R. Staz. Patol. Veg. Roma n.s.,12: 343-360. 1932. no.4.

Savastano, G.
Il mosaico del fagiolo in Italia. Boll.R. Staz. Patol. Veg. Roma n.s.,12: 377-394. illus., pl. xx-xxii. 1932. no.4.

Sibilia, C.
La resistenza dell' Ulmus pumila al Graphium ulmi. Boll. R. Staz. Patol. Veg. Roma n.s.,12: 360-364. illus. 1932. no.4.

Sibilia,C.
Uno scopazzo su Daphniphyllum macropodum. Boll. R. Staz. Patol. Veg. Roma n.s.,12: 395-404. illus. 1932. no.4.

Bull. Amer. Delphinium Soc. (81Am323)
Garber, R. J.
Inheritance in delphinium in the light of modern genetics. Bull. Amer. Delphinium Soc. 3: 147-155. illus. Ja.1933.

Leonian, L. H.
How do delphiniums feed? Bull. Amer. Delphinium Soc. 3: 109-117. illus. Ja.1933.

Waring, R. G.
Breeding delphiniums. Bull. Amer. Delphinium Soc. 3: 141-147. Ja.1933.

Waring, R. C.
Methods of cross pollenizing delphiniums. Bull. Amer. Delphinium Soc. 3: 155-159. illus. Ja.1933.

Bull. Misc. Inform. Kew. (London) (89K51B)
Craib, W. G.
Contributions to the flora of Siam. Additamentum XXXVIII. Bull. Misc. Inform. Kew 1933: 18-30. 1933. no.1.

Horwood, A. R.
A new Pyrethrum. Bull. Misc. Inform. Kew 1933: 44-45. 1933. no.1.
Chrysanthemum praeteritum sp.nov.

Metcalfe, C. R.
The structure and botanical identity of some scented woods from the East. Bull. Misc. Inform. Kew 1933: 3-15. pl.i-iv. 1933. no.1.

Sprague, T. A.
Botanical terms in Pliny's natural history. Bull. Misc. Inform. Kew. 1933: 30-40. 1933. no.1.

Sprague, T. A. & Hubbard, C. E.
Eragrostis major and E. minor. Bull. Misc. Inform. Kew 1933: 15-18. 1933. no.1.
E. cilianensis and E. poaeoides.

Sprague, T. A.
Podostemaceae or Podostemonaceae. Bull. Misc. Inform. Kew. 1933: 46. 1933. no.1.

Turrill, W. B.
Silene subconica and S. juvenalis. Bull. Misc. Inform. Kew. 1933: 40-44. 1933. no.1.

White, C. T.
Nomenclature of some Australian and Philippine Islands plants. Bull. Misc. Inform. Kew 1933: 45-46. 1933. no.1.
Mainly Queensland.

Bull. Ohio Biol. Surv. (442.90h3)
Miller, E. M.
Bibliography of Ohio botany. Bull. Ohio Biol. Surv. 27(v.5, no.4.): 283-376. 1932.

Bull. Soc. Chim. Biol. (Paris) (383So1)
Vintilesco, J. & Ioanid, N. I.
Sur les glucides de quelques espèces de plantes du genre Vinca et sur les variations de leurs proportions du cours de la végétation. Les vincosides. Bull. Soc. Chim. Biol. 15: 63-74. Ja.1933. no.1.

Bull. Torr. Club (451T63B)

Bensin, B. M.

Autogamous Turkestan rye. Bull. Torr. Club. 60: 155-160. illus. (incl.map) Mr.1933. no.3.

Lindgren, C. C.

The genetics of Neurospora. III. Pure bred stocks and crossing-over in N. crassa. Bull. Torr. Club 60: 133-154. pl.9. Mr.1933. no.3.

Popp, H. W. & Brown, F.

A review of recent work on the effect of ultraviolet radiation upon seed plants. Bull. Torr. Club. 60: 161-210. Mr.1933. no.3.

Ukkelberg, H. G.

The rate of fall of spores in relation to the epidemiology of black stem rust. Bull. Torr. Club. 60: 211-228. illus. Mr.1933. no.3.

Butl. Inst. Catalana Hist. Nat. (Barcelona) (410.9In72)

Font Quer, P.

Notes sobre la flora dels cims del Cadí. Butl. Inst. Catalana Hist. Nat. 1932: 44-47. no.1/3.

Font Quer, P.

Observacions botàniques. Butl. Inst. Catalana Hist. Nat. 1932: 120-121. no.4/6.

I. Una nova Calendula hibrida. [C. santamariae hibr. nov.] II. Una nova localitat Catalana de la Linaria italica Trev.

Pujiula, J.

Influjo de la pérdida de agua en la hoja de Hibiscus militaris. Butl. Inst. Catalana Hist. Nat. 1932: 60-67. illus. no.4/6.

Sennen,

Brèves diagnoses des formes nouvelles parues dans nos exsiccata (Plantes d'Espagne - F. Sennen) et distribuées dans les séries de 1929, dont un grand nombre ont été explicitement ou implicitement mentionnées dans la relation du voyage botanique "A travers l'Espagne". Butl. Inst. Catalana. Hist. Nat. 1932: 88-119. no.4/6.

Cactus & Succ. Journ. (Los Angeles) (451C11)

Anton, G. F.

Cephalocereus royenii. Cactus & Succ. Journ. 4: 325-326. illus. F.1933. no.8.

Cactus & Succ. Journ. (cont.)

Croizat, L.

A list of annotated observations on the remarks of Dr. K. von Poellnitz concerning A. Berger's classification of succulent Euphorbiae. III. Cactus & Succ. Journ. 4: 330-334. illus. F.1933. no.8.

Gates, H. E.

Four new species of Ferocactus from Lower California, Mexico, I. F. gracilis, F,viscainensis. Cactus & Succ. Journ. 4: 323-325. illus. F.1933. no.8.

Smith, A.

What grows where. Cacti listed in accordance with their geographical origin. Compiled and copyrighted for Mrs. John D. Wright, Santa Barbara, Calif., 1933. Cactus & Succ. Journ. 4: 334-335. F.1933. no.8.

Canad. Journ. Res. (Ottawa) (330.9C16C)

Kilduff, T.

Inheritance of bunt and loose smut reaction and of certain other characters in Kota z Red Bobs and Garnet crosses. Canad. Journ. Res. 8: 147-172. F.1933. no.2.

Manske, R. H. F.

The alkaloids of fumaraceous plants. III. A new alkaloid, bicuculline, and its constitution. Canad. Journ. Res. 8: 142-146. F.1933. no.2.

Citrus Riv. Camera Agrum. Messina. (286.83M56)

Savastano, G.

L'agrumicoltura in Algeria. Citrus Riv. Camera Agrum. Messina II, 19: 22-22bis. Ja.1933. no.1.

Compt. Rend. Acad. Sci. Paris (505P21)

Chadefaud, M.

Existence d'une structure infravisible orientée du cytoplasme chez les algues. Compt. Rend. Acad. Sci. Paris. 196: 423-424. F.6, 1933. no.6.

Costantin, J.

Objections à la theorie mycorhizienne. Compt. Rend. Acad. Sci. Paris 196: 378-382. F.6, 1933. no.6.

Costantin, J.

Resumé historique se rapportant à la genèse des conceptions sur la degénerescence des plantes cultivées. Compt. Rend. Acad. Sci. Paris 196: 449-451. F.13, 1933. no.7.

Compt. Rend. Acad. Sci. Paris (cont.)

Gavaudan, P.

Sur une certaine corrélation entre la réversibilité des phénomènes d'instabilité cytoplasmique et la disparition spontanée des colorations vitales du vacuome dans l'Ascoidea rubescens. Compt. Rend. Acad. Sci. Paris. 196: 563-565. F.20,1933. no.8.

Maige, A.

Hétérogénéité physicochimique des plastes. Compt. Rend. Acad. Sci. Paris 196: 424-426. F.6, 1933. no.6.

Compt. Rend. Soc. Biol. Paris. (442.9P21)

Aggery, B.

Sur un Gloeosporium nouveau parasite du polypode et sur sa biologie. Compt. Rend. Soc. Biol. Paris 112(4):343-345. F.3,1933.

G.polypodii

Aggéry, B.

Sur une nouvelle espèce de Gloeosporium parasite du scolopendre et sur sa biologie. Compt. Rend. Soc. Biol. Paris 112(3): 258-260. Ja.27, 1933. no.3.

G. nicolai.

Duché, J.

Technique mycologique. Entretien des mycothèques. Compt. Rend. Soc. Biol. Paris 112(2): 124-125. illus. Ja.20, 1933. no.2.

Dufrénoy, J.

Les contamination successive de la vigne par le Plasmopara viticola. Compt. Rend. Soc. Biol. Paris 112(3): 326-328. Ja.27, 1933. no.3.

Dufrénoy, J.

Influence du déficit hygrométrique sur l'infection des cellules de la vigne par le Plasmopara viticola. Compt. Rend. Soc. Biol. Paris 112(3): 322-325. illus. Ja.27,1933. no.3.

Eichhorn, A.

La mitose somatique du cotonnier. Compt. Rend. Soc. Biol. Paris 112(3): 260-262. Ja.27, 1933. no.3.

Mangenot, G.

Le plasmode d'Hemitrichia vesparium Macbr. Compt. Rend. Soc. Biol. Paris 112(3): 236-240. illus. Ja.27, 1933. no.3.

Compt. Rend. Soc. Biol. Paris. (cont.)
Nicolas, G. & Aggery, B.
Remarques sur Gloeosporium lagenarium (Passer.) Sacc. et Roum. et Colletotrichum oligochaetum Cav. et sur leur mode de conservation. Compt. Rend. Soc. Biol. Paris. 112(2): 125-126. Ja.20, 1933. no.2.

Compt. Rend. Soc. Phys. & Hist. Nat. Genève. (508G28C)
Junquera, M.
Sur l'influence combinée du pH et du glucose dans la perméabilité des levures au bleu de methylène. Compt. Rend. Soc. Phys. & Hist. Nat. Genève 49: 240-243. Ag./D.1932. no.3.

Schopfer, W. H.
Certains phosphatides peuvent-ils se substituer au facteur de croissance des mucorinées? Compt. Rend. Soc. Phys. & Hist. Nat. Genève 49: 155-156. Ag./D.1932. no.3.
Phycomyces.

Schopfer, W. H.
Recherches sur la respiration d'une champignon. I. La production de CO_2. [Phycomyces blakesleeanus]. Compt. Rend. Soc. Phys. & Hist. Nat. Genève 49: 153-155. Ag./D.1932. no.3.

Country Life. (London) (80C83)
Taylor, G. C.
The Royal horticultural society's garden at Wisley. Country Life 73: 170-175. illus. F.18, 1933. no.1883.

Desert (Pasadena) (450D45)
Jones, M. E.
What is a species? Desert (Pasadena) 4: 123. Mr.1933. no.11.

Div. Rep. Dept. Agr. Brit. Guiana. (9.6B774D)
Martyn, E. B.
Report of the botanical and mycological division for the year 1931. Div. Rep. Dept. Agr. Brit. Guiana. 1931: 99-101. 1933.

Empire For. Journ. (99.8Em72)
Campbell, W. G. & Fisher, R.C.
The composition and origin of "stone" in iroko wood (Chlorophora excelsa Benth. & Hook. f.) Empire For. Journ. 11: 244-245. pl. 1932. no.2.

Empire For. Journ. (cont.)

Robertson, C. C.

The cultivation of Mexican pines in the Union of South Africa, with notes on the species and their original habitat. III-IV. Empire For. Journ. 11: 250-269. 1932. no.2.

III. The botanical classification of the Mexican pines, and bibliography. IV. Notes on the several species of pine.

Facts about Sugar. (N.Y.) (65.8F11)

Dahlberg, H. W.

The breeding of sugar beets. Facts about Sugar 28: 136-137. Mr.1933. no.3.

Flor. Rev. (Chicago) (80W41)

Guba, E. F.

Control for carnation diseases and insects prevalent in New England. Flor. Rev. 71(1840): 17-19. illus. Mr.2,1933.

Huron H. Smith. Flor. Rev. 71(1840): 24. port. Mr.2, 1933.

Notice of death.

Folia Cryptogamica (Szegad, Hungary) (450F71)

Eber, Z.

Diatomák Turóc vármegyéböl (Diatomeen aus dem Comitate Turco). Folia Cryptogamia 1: 989-1020. pl. xx. 1931. no.8.

Hungarian with German summary.

Filarszky, N.

Charafelék Szeged vidékén. Folia Cryptogamica 1: 1055-1068. 1932. no.9.

Hungarian.

Hruby, J.

Beitrag zur pilzflora der West-Karpathen. Folia Cryptogamica 1:1073-1106. 1932. no.1.

Langer, S.

Spirogyra hungarica nov. spec. Folia Cryptogamica 1: 1069-1072. illus. 1932.

Moesz, G.

Zwei moosbewohnende pilze. Folia Cryptogamica 1: 1107-1108. illus. 1932.no.1.

Septoria györffyi, Asteromella muscorum (E. Rostr.)

Forestry (Gt. Brit.) (London) (99.8F767)

Day, W. R.
Defoliation of larch as a cause of disease. Forestry (Gt.Brit.) 6:113-124. pl.v. D.1932. no.2.

Day, W. R.
The ink disease in England. Forestry (Gt. Brit.) 6:182. D.1932. no.2.

MacDonald, J.
The form of the stem in coniferous trees. Forestry (Gt. Brit.) 6: 143-153. D.1932. no.2.

Peace, T. R.
The Dutch elm disease. Forestry (Gt.Brit.) 6: 125-142. map. D.1932. no.2.

Priestley, J. H.
The growing tree. Forestry (Gt. Brit.) 6: 105-112. D.1932. no.2.
Abstract from presidential address to Sect.K. and Dept.K, British Association, York, 1932.

Steven, H. M.
Weeds in forest nurseries. Forestry (Gt. Brit.) 6: 175-181. D.1932. no.2.

Gard. Chron. (London) (80G162)

Friend, H.
The properties of Millettia. Gard. Chron. III, 93: 118. F.18, 1933. no.2408.
Summary of investigations of J. C.Bose which show that Millettia pachycarpa used by Lepcha fishermen near Darjeeling to "poison" fish, asphyxiates rather than poisons them.

Jackson, A. B.
Specimen trees at Knap Hill nursery (concl.) Gard. Chron. III, 93: 117. illus. F.18, 1933. no.2408.

Sir Daniel Morris. Gard. Chron. III, 93: 126. F.18, 1933. no.2408.
Notice of death.

Gard. Chron. Amer. (80G1632)

Banghart, E. H.
Dwarf native roses. Gard. Chron. Amer. 37: 59, 76. illus. Mr.1933. no.3.

Gartenbauwiss. (Berlin) (80G195)

Hafekost, G.

Ueber die beziehungen zwischen edelreis und unterlage bei einigen obstarten. Gartenbauwiss. 7: 382-398. F.3, 1933. no.3.

English summary: p.396-398.

Lek, H.A.A. van der.

Versuche über den einfluss von niedrigen temperaturen auf die wurzelbildung von stecklingen. Gartenbauwiss. 7: 365-381. illus. F.3, 1933. no.3.

Matula, E.

Saugkraftmessungen an obstgehölzen. Gartenbauwiss. 7: 399-406. F.3, 1933. no.3.

Oppenheimer, H. R.

Studien zur keimung und ersten entwicklung der aleppokiefer und kermeseiche. Gartenbauwiss. 7: 308-364. illus. F.3, 1933. no.3.

Veh, R. v.

Experimenteller beitrag zur frage nach der polarität der Costus-sprosse. Gartenbauwiss. 7: 293-307. illus. F.3, 1933. no.3.

Hereditas. (Lund) (442.8H42)

Lamprecht, H.

Zur genetik von Phaseolus vulgaris. VI. Vierter beitrag zur vererbung der testafarbe. Hereditas 17: 249-316. illus. 1933. no.3.

English summary: p.313-316.

Wexelsen, H.

Linkage of a quantitative and a qualitative character in barley. Hereditas 17: 323-341. 1933. no.3.

Indian For. (Dehra Dun) (99.8In2)

Parker, R. N.

Vitis rugosa Wall. and Vitis spp. Indian For. 59: 61-65. pl.vii-x. F.1933. no.2.

Intern. Bull. Plant Prot. (464.8In8)

Eglits, M.

Latvia: Crop diseases observed in 1932. Intern. Bull. Plant Prot. 7: 4. Ja.1933. no.1.

Stevens, N. E.

United States of America: Tomato late blight. Intern. Bull. Plant Prot. 7:3. Ja.1933. no.1.

Uppal, B. N.

India: New diseases in the Bombay presidency.

Journ. Agr. Res. (Washington, D. C.) (1Ag84J)

Csonka, F. A. & Jones, D. B.

Differences in the amino acid content of the chief protein (glycinin) from seeds of several varieties of soybean. Journ. Agr. Res. 46: 51-55. Ja.1, 1933. (Rec'd F.10). no.1.

Dawsey, L. H. & Haas, A. J.

A method for determining the quantity of mineral oil retained by leaf surfaces after spraying. Journ. Agr. Res 46: 41-49. illus. Ja.1, 1933. (Rec'd F.10) no.1.

DeTurk, E.E., Holbert, J.R. & Howk, B. W.

Chemical transformations of phosphorus in the growing corn plant, with results on two first-generation crosses. Journ. Agr. Res. 46: 121-141 illus. Ja.15, 1933(Rec'd F.18) no.2.

Nelson, C. I.

A method for determining the specificity of the intracellular globulin of Fusarium lini. Journ. Agr. Res. 46: 183-187. Ja.15, 1933.(Rec'd F.18) no.2.

Peltier, G. L.

Relation of weather to the prevalence of wheat stem rust in Nebraska. Journ. Agr. Res. 46: 59-73. Ja.1, 1933.(Rec'd F.10) no.1.

Pope. M. N.

Catalase activity and respiration in the leaves of growing barley. Journ. Agr. Res. 46: 35-40. Ja.1, 1933.(Rec'd F.10) no.1.

Rosen, H. R. & Bleecker, W. L.

Comparative serological and pathological investigations of the fire-blight organism and a pathogenic, fluorescent group of bacteria. Journ. Agr. Res. 46: 95-119. illus., pl. Ja.15, 1933(Rec'd F.18) no.2.

Tingey, D. C.

Inheritance of dwarfing in wheat. Journ. Agr. Res. 46: 75-94. illus. Ja.1, 1933. (Rec'd F.10). no.1.

Journ. Bot. Soc. So.Afr. (Cape Town) (451B657)

Mathews, J. W.

Some noteworthy flowering shrubs at Kirstenbosch. Journ. Bot. Soc. So. Afr. 18: 16-19. 1932.

Species of Greyia, Brunia, Leucospermum.

Journ. Bot. Soc. So.Afr. (cont.)

Muir, J.
The beach drift of South Africa. Journ. Bot. Soc. So. Afr. 18: 5-10. pl. ii-iii. 1932.

Journ. Dept. Agr. Victoria (Melbourne) (23V66J)

Grieve, B. J.
Rose diseases and their control (concl.) Journ. Dept. Agr. Victoria 31: 101-104. F. 1933. no.2.

Raw, A. R.
Some aspects of plant breeding. The problem of disease resistance. Journ. Dept. Agr. Victoria 31: 53-57. illus. F.1933. no.2.

Journ. Dept. Agr. West. Austral. (Perth) (23W62J)

Gardner, C. A.
The blackberry or bramble (Rubus fruticosus, L.) Journ. Dept. Agr. West. Austral. II, 9: 533-535. illus. D.1932. no.4.

Meadly, G.R.W.
Disinfection of tobacco seed. Effect on germination. Journ. Dept. Agr. West. Austral. II, 9:538. D.1932. no.4.

Journ. Soc. Trop. Agr. Japan (Taiwan) (26So13)

Hosokawa, T.
Notulae leguminosarum ex Asiae-orientale. III. Journ. Soc. Trop. Agr. Japan 4: 488-491. D.1932. no.4.

Kanehira, R. & Sasaki, S.
An enumeration of Formosan trees in the Taihoku herbarium IV. Journ. Soc. Trop. Agr. Japan 4: 492-504. D.1932. no.4.

Okabe, N.
Bacterial diseases of plants occurring in Formosa. I. Journ. Soc. Trop. Agr. Japan 4: 470-483. illus. D.1932. no.4.

Yamamoto, Y.
Observations ad floram Formosanam. V. Journ. Soc. Trop. Agr. Japan 4: 484-487. illus. D. 1932. no.4.

Kranke Pflanze (Dresden) (464.8K86)

Graser, H.
Zur beurteilung und abwehr des tannensterbens. II-III. Kranke Pflanze 10: 15-21. illus. F.1933. no.2.

Kranke Pflanze. (cont.)
Laubert, R.
Die Botryosphaeria-krankheit (schwarzschorf) der rosen. Kranke Pflanze 10: 24-25. illus. F.1933. no.2.

Landbouw Tijdschr. Vereen. Landb.Nederl.-Indië. (Buitenzorg) (22.5L23)
Coster, C.
Wortelstudiën in den tropen. (Wurzelstudien at) II-III. Landbouw. Tijdschr. Vereen. Landb. Nederl.-Indië. 8: 369-464. illus., 4 pl. on 2. D.1932. no.6.
German summary: p.454-456.
II. Het wortelstelsel op ouderen leeftijd. (Das wurzelsystem in höheren alter.) III. De zuurstofbehoefte van het wortelstelsel (Der sauerstoffbedarf des wurzelsystems)

Lesnická Práce (L'Oeuvre For.) (Pisek, Moravia) (99.8L56)
Kalandra, A.
Regenerace borovice obecné ve druhém roce-napadené joko rocky sypavkou (Lophodermium pinastri Chev.) - a její praktický význam. (Ueber die bei den von kiefernschütte(Lophodermium pinastri Chev.) befallenen kiefernjährlingen (Pinus silvestris) im zweiten lebensjahre vorkommende regeneration und über die praktische bedeutung derselben). Lesnická Práce (L'Oeuvre For.) 12: 29-35. illus. 1933. no.1.
German summary: p.35.

Mém. Soc. Sci. Nat. Maroc. (515SolM)
Emberger, L.
Recherches botaniques et phytogéographiques dans le Grand-Atlas oriental (massifs du Ghat et du Mgoun). Mém. Soc.Sci. Nat. Maroc no.33. 49 p. ii pl. D.15,1932(Ja.25,1933)

Missouri Bot. Gard. Bull. (St.Louis) (89M69B)
Pring, G. H.
New or noteworthy plants for St.Louis. I-II. Missouri Bot. Gard. Bull. 21: 37-39, 40-41, pl.6-8, F.1933. no.2.
I. X Crinodonna corsii (Amarcrinum howardii) garden hybrid. II. Tithonia speciosa (showy Mexican sunflower).

Nat. Canad. (Quebec) (410N216)
Rousseau, J.
Essai de bibliographie botanique canadienne. Nat.Canad. 60: 53-58. F.1933. no.2.

Nature (London) (472N21)

Cairns, H. & Muskett, A. E.

Phytophthora megasperma causing pink rot of the potato. Nature 131: 277. F.25,1933. no.3304.

Naturforsch. (Berlin) (410N219)

Diedrichs, K.

Baumpilze. Naturforsch. 9: 429-431. pl.90-92. F.1933. no.11.

New Zeal. Journ. Agr. (Wellington) (23N48J)

Chamberlain, E. E.

Wilt diseases of tomatoes due to Fusarium lycopersici and Verticillium albo-atrum. Their appearance, cause, and preventive treatment. New Zeal. Journ. Agr. 46: 38-45. illus. Ja.20, 1933. no.1.

Nord. Jordbrugsforskn. (København) (11N752)

Tedin, O. & Nissen, Ø.

Studier över pollendistributionen i ett rovfröfält. (Studies on the pollen distribution within a flowering field of rutabagas). Nord. Jordbrugsforskn. 1932: 225-241. 1932. no.6/7.

Notes & Mem. Imp. Bur. Agr. Parasitology. (448.9Im72)

Triffitt, M.J.

Helminthology in its application to agriculture and horticulture. Notes & Mem. Imp. Bur. Agr. Parasitology no.8. 6 p. 1933.

Notizbl. Bot. Gart. Berlin (451B45N)

Anselmino, E.

Die stammpflanzen der droge muira-puama. Notizbl. Bot. Gart. Berlin 11: 623-626. D.15,1932. no.107.

Ptychopetalum uncinatum n.sp.

Burret, M.

Attalea cohune Mart. wirklich eine Orbignya (= Orbignya dammeriana Barb. Rodr.) Notizbl. Bot.Gart. Berlin 11: 688-690. D.15, 1932.no.107.

Gives new name to O.speciosa, O. barbosiana.

Burret, M.

Die palmengattungen Kajewskia Guillaumin und Carpoxylon H. Wendl. et Drude von der Insel Aneityum (Neu-Hebriden) Notizbl. Bot. Gard. Berlin 11: 578. D.15, 1932. no.107.

Notizb. Bot. Gart.Berlin. (cont.)

Burret, M.
Die palmengattungen Martinezia und Aiphanes. Notizbl. Bot. Gard. Berlin 11: 557-577. D.15, 1932. no.107.
Martinezia synonym of Aiphanes (Describes a number of new species of the latter)

Burret, M.
Die palmengattung Reinhardtia Liemb. und Malortiea H. Wendl. Notizbl. Bot. Gard. Berlin. 11: 551-556. D.15, 1932. no.107.
Malortiea syn. of Reinhardtia save M. tuerckheimii which is referred to Kinetostigma tuerckheimii. R. graciloior n.sp.

Ducke, A.
Neue arten aus der Hylaea Brasiliens. (cont.) Notizbl. Bot. Gart. Berlin 11: 579-591. D.15, 1932. no.107.

Harms, H.
Zur kenntnis der gattung Ancistrothyrsus. Notizbl. Bot. Gard. Berlin 11: 598-600. D.15, 1932. no.107.

Knoblacuh, E.
Die standorte der sammlungen von Drège. Notizbl. Bot. Gart. Berlin 11: 627-628. D.15, 1932. no.107.

Krause, K.
Araceae novae austro-americanae (cont.) Notizbl. Bot. Gard. Berlin 11: 606-622. D.15, 1932. no.107.

Malm, J.v.
Zwei neue arten aus Flores. Notizbl. Bot. Gart. Berlin 11: 629-630. D.15, 1932. no.107.
Archidendron harmsii, Parinarium petiolatum.

Mansfeld, R.
Die gattung Lozania Mutis. Notizbl. Bot. Gart. Berlin 11: 592-597. D.15, 1932. no.107.

Melchior, H.
Die scrophulariaceen-gattung Graderia. Notizbl. Bot. Gart. Berlin 11: 601-605. D.15, 1932. no.107.
G. irengensis n.sp.

Mildbraed, J.
Neue und seltene arten aus dem südlichen Ostafrika (Tanganyika-Territ.) leg. H.J. Schlieben. II. Notizbl. Bot. Gart. Berlin 11: 646-687. D.15, 1932. no.107.
Oxyrhachis (nov.gen.) O. mildbraediana.

Notizbl. Bot.Gart. Berlin. (cont.)

Nyárády, E. J.

Die klarstellung zweier zweifelhafter Alyssumarten. Notizbl. Bot. Gart. Berlin 11: 631-635. illus. D.15, 1932. no.107.

A. sibiricum, synonym of A. lepidulum; A. fallacinum, form of A. heldreichii.

Schulz, O. E.

Draba tenerrima und Draba cachemirica var. koelzii, zwei neue bemerkenswerte pflanzen des westlichen Himalayagebirges. Notizbl. Bot. Gart. Berlin 11: 639-640. D.15, 1932. no.107.

Schulz, O. E.

Hesperis pendula DC. und Hesperis campicarpa Boiss. Notizbl. Bot. Gart. Berlin 11: 636-639. D.15, 1932. no.107.

Schulz, O. E.

Ueber einige bisher ungewisse Arabis- und Sisymbrium-arten. Notizbl. Bot. Gart. Berlin 11: 641-645. D.15, 1932. no.107.

Phlebolobium (Nov.gen.) P.maclovianum.

Ulbrich, E.

Malvaceae americanae, imprimis andinae novae vel rariores. Notizbl. Bot. Gard. Berlin 11: 515-550. D.15,1932. no.107.

Nuovo Giorn. Bot. Ital. (Firenze) (450N92)

Béguinot, A.

Sulla costituzione de alcune colonie steppiche nella vegetazione dell'alte e media Valle d'Aosta. Nuovo Giorn. Bot. Ital. 39: 683-686. 1932. no.4.

Cappelletti, C.

La flora fungini vivente sulle superfici stimmatiche delle piante alpine. Nuovo Giorn. Bot. Ital. 39: 690-692. 1932. no.4.

Catalano, G.

Fillopodi ed antopodi nel gen. Oxalis. Nuovo Giorn. Bot. Ital. 39: 692-696. 1932. no.4.

Ciferri, R.

La decadenza dell'industria del mogano in San Domingo. Nuovo Giorn. Bot. Ital. 39: 696-700. 1932. no.4,

Nuovo Giorn. Bot. Ital. (cont.)

Francini, E.

Richerche sulla vegetazione dei dintorni di Firenze. I. La vegetazione di Monte Ceceri. Nuovo Giorn. Bot. Ital. 39: 631-644. 1932. no.4.

Gioelli, F.

Su alcuni dei fattori che possono determinare le variazioni del coefficiente di traspirazione nelle piante. Nuovo Giorn. Bot. Ital. 39: 700-702. 1932. no.4.

Messeri, A.

Richerche sulla vegetazione dei dintorni di Firenze. II.Rilievi a poggio Pratone. Nuovo Giorn. Bot. Ital. 39: 645-658. 1932. no.4.

Minio, M.

Le osservazioni fitofenologiche della rete Italiana nel 1931 (annata X). Nuovo Giorn. Bot. Ital. 39: 659-673. 1932. no.4.

Negri, G.

Ricerche sulla vegetazione dei dintorni di Firenze. Nuovo Giorn. Bot. Ital. 39: 613-630. 1932. no.4.

Verona, O.

Il Cephalosporium subverticillatum, Schulz. et Sacc., quale idrocarburofilo. Nuovo Giorn. Bot. Ital. 39: 674-677. illus. 1932. no.4.

Pharm. Weekbl. (Amsterdam) (396.8P4922)

Meijer, A. S. C.

Bijdrage tot de kennis der volksgeneeskruiden van Nederlandsch-West-Indie. Anatomisch gedeelte uit het gelijknamige proefschrift. I-IX. Pharm. Weekbl. 70: 102-116, 134-151. 32 pl. (on 16). F.4,11, 1933. no.5,6.

Phytopath. Zeitschr. (Berlin) (464.8P562)

Bauch, R.

Die sexualität von Ustilago scorzonerae und Ustilago zeae. Phytopath. Zeitschr. 5: 315-321. illus. 1932. no.3.

Bredemann, G. & Radeloff, H.

Rauchschäden durch schwefligsaure abgase und ihre erkennung. Phytopath. Zeitschr. 5: 179-194. 1932. no.2.

Phytopath. Zeitschr. (cont.)

Bredemann, G. & Radeloff, H.
Zur diagnose von fluor-rauchschäden. Phytopath. Zeitschr. 5: 195-206. illus. 1932. no.2.

Carbone, D. & Kalajev, A.
Richerche sulla vaccinazione delle piante. Phytopath. Zeitschr. 5: 91-97. 1932. no.1.

Demmler, F. P.
Zur physiologie van Cladosporium. Phytopath. Zeitschr. 5: 275-313. illus. 1932. no.3.

Dufrénoy, J.
Die viruskrankheiten. Phytopath. Zeitschr. 5: 85-90. illus. 1932. no.1.
Vorgetragen beim zweiten Internationalen kongress für vergleichende pathologie. Paris, 14-18. Oktober 1931. Uebersetz von L. Genevois.

Eglits, M.
Der einfluss der infektion auf die temperatur und die kohlensäureabgabe bei kartoffeln. Phytopath. Zeitschr. 5: 343-379. illus. 1933. no.4.
Bacillus phytophthorus.

Fischer, R.
Ueber dem einfluss des jährlichen witterungsverlaufes auf die frequenz von pflanzenkrankheiten. Phytopath. Zeitschr. 5: 55-74. 1932. no.1.

Gassner, G. & Hassebrauk, K.
Ueber die beeinflussung der rostanfälligkeit durch eintauchen geimpfter blätter in lösungen von mineralsalzen und anderen stoffen. Phytopath. Zeitschr. 5: 323-342. illus. 1933. no.4.
Puccinia triticina on wheat.

Hassebrauk, K.
Zur bewertung der saugkraft als merkmal von braunrostbiotypen. Phytopath. Zeitschr. 5: 173-177. 1932. no.2.

Liesau, F.
Zur biologie von Didymella lycopersici, dem erreger der tomatenkrebskrankheit. Phytopath. Zeitschr. 5: 1-40. illus. 1932. no.1.

Minkevičius, A.
Untersuchungen über den einfluss der narkose auf die pilzempfänglichkeit der pflanzen. Phytopath. Zeitschr. 5: 99-152. illus. 1932. no.2.
Experiments with chloroform, ether and alcohol.

Phytopath. Zeitschr. (cont.)

Quanjer, H.M. & Silberschmidt, K.
Ueber eine komplexe viruskrankheit der tomate. Phytopath. Zeitschr. 5: 75-83. pl. 1932.no.1.

Rochlin, E.
Zur frage der winderstandsfähigkeit der cruciferen gegen die kohlhernie (Plasmodiophora brassicae Wor.) Phytopath. Zeitschr. 5: 381-406. illus. 1933. no.4.

Roemer, T. & Kamlah, H.
Gibt es eine selektive wirkung der wirtspflanze (weizen) auf den pilz (Ustilago)? Phytopath. Zeitschr. 5: 41-53. 1932. no.1.

Săvulescu, T. & Rayss, T.
Der einfluss der äusseren bedingungen auf die entwicklung der Nigrospora oryzae (B. und Br.) Petch. Phytopath. Zeitschr. 5: 153-172. illus. 1932. no.2.

Schätzel, K.
Beiträge zur morphologie und physiologie des bakteriellen pflanzenkrebserregers. Phytopath. Zeitschr. 5: 251-273. 1932. no.3.

Schmalfuss, K.
Untersuchungen über den eiweissstoffwechsel von kalimangelpflanzen. Ein beitrag zur kenntnis der physiologischen rolle des kaliums in der pflanze. Phytopath. Zeitschr. 5: 207-249. 1932. no.3.

Plant. Chron. (Madras, India.) (22P693)

Mayne, W. W.
The function of spraying in coffee crop production. Plant. Chron. 28: 34-38. Ja.28, 1933. no.2.

Plant Physiology (450P692)

Chase, W. W.
Henri Louis Duhamel Dumonceau. Plant Physiology 8: 163-166. port. Ja.1933. no.1.

Clark, N.A.
Manganese and the growth of Lemna. Plant Physiology 8: 157-161. Ja.1933. no.1.

Plant Physology (cont.)

Colby, H. L.
Seasonal absorption of nutrient salts by the French prune grown in solution cultures. Plant Physiology 8: 1-34. Ja.1933. no.1.

Crafts, A.S.
Sieve-tube structure and translocation in the potato. Plant Physiology 8: 81-104. illus., pl.ii-vii (6 on 4). Ja.1933. no.1.

Dexter, S. T.
Effect of several environmental factors on the hardening of plants. Plant Physiology 8: 123-139. illus. Ja.1933. no.1.

Eyster, W. H.
Plastid studies in genetic types of maize: argentia chlorophyll. Plant Physiology 8: 105-121. illus. Ja.1933. no.1.

Hopkins, E.W. & Fred, E. B.
Influence of various nitrogenous compounds and mannitol on nodule formation by clover. Plant Physiology 8: 141-155. illus. Ja.1933. no.1.

Rea, H. E.
Field propagation of cotton by means of grafts. Plant Physiology 8: 171. Ja.1933. no.1.

Stark, A. L.
Correlation of specific heat and percentage of water in apple wood. Plant Physiology 8: 168-170. Ja.1933. no.1.

Traub, H.P., Gaddum, L.W., Camp, A.F. & Stahl, L.
Physiological anatomy, type, variety, and maturity of citrus fruits as affecting quality of prepared juices. Plant Physiology 8: 35-80. illus. Ja.1933. no.1.

Webster, J.E.
Nitrogen changes in stored alcoholic extracts of plant tissues. Plant Physiology 8: 166-168. Ja.1933. no.1.

Progr. Agr. & Vitic. (Montpellier) (14P94)

Ravaz, M.L.
Le mildiou. Progr. Agr. & Vitic. 99: 173-181. F.19,1933. no.8.

Protoplasma (Leipzig) (442.8P94)

Germ, H.

Untersuchungen über die systrophische inhaltsverlagerung in pflanzenzellen nach plasmolyse. II. Protoplasma 17: 509-547. illus. Ja.1933. no.4.

Grafe, V.

Die phosphatide der pflanzenzelle. Protoplasma 17: 602-609. Ja.1933. no.4.

Pfeiffer, H.

Bemerkungen zur kernverlagerung wachsender wurzelhaarzellen. Protoplasma 17: 598-601. Ja.1933. no.4.

Pfeiffer, H.

Die plasmo- und karyoskopie im auffallenden lichte in ihrer bedeutung für die botanische zytologie und protoplasmaforschung. Protoplasma 17: 558-570. illus. Ja.1933. no.4.

Rees, W. J.

Studies on toxic action. VI. The toxicity of aliphatic ketones toward potato tuber. Protoplasma 17: 499-508. Ja.1933. no.4.

Rapp. Fonct. Inst. Rech. Agron. France. (105.3F84)

France. Ministère de l'agriculture - Institut des recherches agronomiques.

Phytopathologie. In its Rapport sur la fonctionnement 1931: 342-370. 1932.

Rec. Trav. Bot. Néerl.(Amsterdam) (451N28R)

Heyn, A. N.J.

Der mechanismus derzellstreckung. Rec. Trav. Bot. Néerl. 28:113-244. illus. 1931. no.1/2.

Janssonius, H. H.

Die verteilung des stockwerkartigen aufbaues im holz der dikotylen. Rec. Trav. Bot. Néerl. 28: 97-106. 1931. no.1/2.

Kuijper, J.

Ueber den farbwechsel und die ephremerie bei den blüten von Hibiscus mutabilis L. Rec. Trav. Bot. Néerl. 28:1-19. 1931. no.1/2.

Oosterhuis, J.

Der einflusz der knospen auf das stengelwachstum von Asparagus plumosus und A. sprengeri. Rec. Trav. Bot. Néerl. 28: 20-74. illus. 1931. no.1/2.

Rec. Trav. Bot. Néerl. (cont.)

Schoute, J. C.
On phytonism. Rec. Trav. Bot. Néerl. 28: 82-96. 1931. no.1/2.

Tammes, P.M.L.
Ueber den verlauf der geotropischen krümmung bei künstlich tordierten koleoptilen von Avena. Rec. Trav. Bot. Néerl. 28: 75-81. illus. 1931. no.1/2.

Uphof, J.C.Th.
Zur morphologie des citrusblattes. Rec. Trav. Bot. Néerl. 28: 107-112. illus. 1931. no.1/2.

Rep. Iowa State Hort. Soc.

Hedrick, U. P.
Breeding new fruits. Rep. Iowa State Hort. Soc. 66: 50-57. 1931.

King, C. M.
Notes on bloom of plants, at Ames, 1931. Rep. Iowa State Hort. Soc. 66: 110-114. 1931.

Lantz, H. L.
Report on new apple varieties. Rep. Iowa State Hort. Soc. 66: 57-59. 1931.

Rev. Bryol. Lichénol. (Paris) (450R325)

Abbayes, H.des
Lichens des environs de Banyuls (Pyr.-Orientales) Observations écologiques et bionomiques. Description de deux espèces nouvelles. Rev. Bryol. Lichénol. n.s.,5: 10-26. illus. Ja.31, 1933. no.1.

Aubert,de la Rüe, E. & Dixon, H.N.
Mousses fossiles des Kerguelen. I-II. Rev. Bryol. Lichénol. n.s., 5: 27-30. pl. Ja.31, 1933. no.1.
I. Notes sur la présence d'une flore fossile dans l'archipel de Kerguelen. II. Fossil mosses from Kerguelen.

Dismier, G.
Bryum canariense Brid., synonyme de Bryum provinciale Philib. et aperçu sur sa distribution générale. Rev. Bryol. Lichénol. n.s. 5: 46. Ja.31, 1933. no.1.

Rev. Bryol. Lichénol. (cont.)

Gaume, R.

Notes bryologiques sur la forêts de Fontainebleau. II. Rev. Bryol. Lichénol, n.s. 5: 37-43. Ja.31, 1933. no.1.

Gyelnik, V.

Lichenes foliacei nonnulli novi vel rari. Rev. Bryol. Lichénol. n.s. 5: 31-33. Ja.31, 1933. no.1.

Cyanisticta positiva n.sp.

Lazarenko, A. S.

Eine neue Anomodon-art aus dem Ussuri gebiet. Rev. Bryol. Lichénol. n.s. 5: 44-45. illus. Ja.31, 1933. no.1.

A. solovjovii.

Richards, P. W.

Notes on the bryophytes of the "Waterfall Valley" near Algeciras an outpost of the Atlantic flora. Rev. Bryol. Lichénol. n.s. 5: 5-9. Ja.31, 1933. no.1.

Theriot, I.

A propos du Brachymenium lusitanicum (Luis.) Hagen. Rev. Bryol. Lichénol. n.s. 5: 34-36. illus. Ja.31, 1933. no.1.

Anomobryum lusitacicum (Luis.) Ther.

Rev. Hort. (Paris) (80R32)

Chevalier, C.

Le mimétisme chez les Mesembrianthemum. (fin.) Rev. Hort. 105: 323-324. illus. F.16, 1933. no.14.

Jahandiez, E.

Les plantes grasses autres que les cactées. Les euphorbes cactiformes. (suite). Rev. Hort. 105: 332-334. illus. F.16, 1933. no.14.

Sabourin, L.

Les nénuphars et leur culture (suite). Rev. Hort. 105: 327-328. F.16, 1933. no.14.

Rev. Vitic. (Paris) (958R322)

Faés, H. & Staehelin, M.

Les grands froids de l'hiver 1928-1929 et le vignoble de la suisse Romande. Rev. Vitic. 78: 105-110. F.15, 1933. no.2016.

Rhodora (Boston) (450R34)

Cockerell, T. D. A.

Some synonmy. Rhodora 35: 110. Mr.1933. no.411.

Solanum elaeagnifolium f. albiflorum (f. benkei); Eustoma russellianum f. albiflorum (f.fisheri).

With reply by P.C. Standley.

Fernald, M. L.

Recent discoveries in the Newfoundland flora. Rhodora 35: 80-107. pl.238 (maps) Mr.1933. no.411.

Fernald, M.L.

Two segregates in Sporobolus. Rhodora 35: 108-110. Mr.1933. no.411.

S. vaginaeflorus, inaequalis var.nov., S. ozarkanus sp.nov.

Schuh, R. E.

Ectocarpus paradoxus in New England. Rhodora 35: 107. Mr.1933. no.411.

Weatherby, C. A.

Walter Deane. Rhodora 35: 69-80. port. Mr.1933. no.411.

Roczn. Nauk Rolnicz. i Leśn. (Polish Agr. & For. Ann.) (Poznań) (205.R59)

Thomaschewski, M.

Historja lasów na Pomorzu ẃ świetle analizy pyłkowej. (Die waldgeschichte der wojewodschaft Pomorze (pommerellen) im lichte der pollenananlyse. Roczn. Nauk Rolnicz. i Leśn. (Polish Agr. & For. Ann.) 29: 19-44. illus. 1933. no.1.

German summary: p.43-44.

Science (470Sci2)

Brooks, S. C.

Chemical versus morphological species differences. Science 77: 221-222. F.24,1933. no.1991.

Experiments with Valonia.

Dr. Carl Correns. Science 77: 205. F.24, 1933. no.1991.

Notice of death.

Hendee, E. C.

The association of termites with fungi. Science 77: 212-213. F.24, 1933. no.1991.

Science. (cont.)

Stevens, N. E.

Can a publication be camouflaged? Science 77: 230. Mr.3, 1933. no.1992.

Totten, H. R.

The herbarium of W.W. Ashe. Science. 77: 206-207. F.24, 1933. no.1991.

Acquired by the University of North Carolina.

So. African Gard. (Johannesburg) (80So87)

Bolus, L.

Plants new or noteworthy. South African plants cultivated at the National botanic gardens, Kirstenbosch. So. African Gard. 23: 46-47. illus. F.1933. no.2.

Homoglossum hollandii, Gladiolus martleyi, G. xantherus, n.spp.

Warner, H. H.

Plant names and what they teach us. So.African Gard. 23: 48. F.1933. no.2.

Sovetsk. Subtrop. (Suchum) (20Su1)

Ustinov, A. A.

Kornevaia nematoda (Caconema (Heterodera) radicicola Cobb (Greef) v Abkhazii (The root-knot nematode in Abkhazia). Sovetsk. Subtrop. 3: 112-125. illus. 1931. no.10.

Russian with English summary.

Svensk. Bot. Tidskr. (450Sv2)

Afzelius, K.

Zur kenntnis der fortpflanzungsverhältnisse und chromosomenzahlen bei Nigritella nigra. Svensk. Bot. Tidskr. 26: 365-369. 1932. no.1/2.

Andersson-Kottö, I.

Observations on the inheritance of apospory and alternation of generation. Svensk. Bot. Tidskr. 26: 99-106. 1932. no.1/2.

Asplund, E.

New species from the Amazonas region collected by Dr. D. Melin. I Svensk Bot. Tidskr. 26: 191-197. illus., pl.v. 1932. no.1/2.

I. Haplocathra grandiflora, Schefflera peruviana, Sabicea calophylla.

Bergman, B.

Aposporie bei Picris hieracioides und Leontodon hispidus. Svensk Bot. Tidskr. 26: 453-457. illus. 1932. no.3/4.

Svensk Bot. Tidskr. (cont.)

Bruun, H. G.
Studien an heterostylen pflanzen. I
Svensk. Bot. Tidskr. 26: 163-174. illus.
1932. no.1/2.

Clausen, R. E.
Interspecific hybridization in Nicotiana.
XIII. Further data as to the origin and constitution of Nicotiana tabacum. Svensk Bot. Tidsskr.
26: 123-136. illus. 1932. no.1/2.

Dahlstedt, H.
Taraxacum nutans Dahlst. n.sp., eine neue zweijährige art aus China. Svensk Bot. Tidskr.
26: 264-266. illus. 1932. no.1/2.

Degelius, G. N.
Nordiska fyndorter för Parmelia caperata (L.)
Ach. Svensk Bot. Tidskr. 26:333-345. illus.
1932. no.1/2.

Edman, G.
Verkieselung und verholzung der sporenmembran bei Lygodium japonicum Sw. Svensk.
Bot. Tidskr. 26: 313-326. illus. 1932. no.1/2.

Ekman, E.
Contribution to the Draba flora of Greenland.
IV. Draba fladnizensis Wulf. and Draba lactea
Adams. Svensk Bot. Tidskr. 26: 431-447. illus.
1932. no.3/4.

Ekman, E.
Some notes on the hybridization in the genus
Draba. Svensk Bot. Tidskr. 26: 198-200. 1932.
no.1/2.

Ekstrand, H.
Ein fall von erblicher asyndese bei Hordeum.
Svensk Bot. Tidskr. 26: 292-302. illus. 1932. no.1/2.

Elvers, I.
A cytological and embryological study of Anthericum
liliago x ramosum. Svensk Bot. Tidskr. 26:
13-24. illus. 1932. no.1/2.

Erdtman, G.
The northwestern distribution limit of Fagus
silvatica L. Svensk Bot. Tidskr. 26: 201-204.
map. 1932. no.1/2.

Svensk. Bot. Tidskr. (cont.)

Florin, R.
Die chromosomenzahlen bei Welwitschia und einigen Ephedra-arten. Svensk Bot. Tidskr. 26: 205-214. illus. 1932. no.1/2.

Fröman, I.
De nordligaste lokalerna i Sverige för vild murgröna (Hedera helix L.) I- Svensk Bot. Tidskr. 26: 215-240. maps. 1932. no.1/2.

Gelin, O.E.V. & Gustafsson, A.
On the occurrence of satellites in meiotic division. Svensk Bot. Tidskr. 26: 284-291. illus. 1932. no.1/2.

Goodspeed, T. H.
Cytogenetic consequences of treatment of Nicotiana species with x-rays and radium. Svensk Bot. Tidskr. 26: 147-162. illus. 1932. no.1/2.

Heilborn, O.
Aneuploidy and polyploidy in Carex. Svensk Bot. Tidskr. 26:137-146. illus. 1932. no.1/2.

Johansson, N.
A field experiment with the growth of sugar beets at different carbon dioxide content of the air. Svensk Bot. Tidskr. 26: 70-75. 1932. no.1/2.

Langlet, O.
Ueber chromosomenverhaltnisse und systematik der Ranunculaceae. Svensk Bot. Tidskr. 26: 381-400. illus. 1932. no.1/2.

Laurent-Täckholm, V.
Some new plants from Sinai and Egypt. Svensk Bot. Tidskr. 26: 370-380. illus. 1932. no.1/2.
Withania obtusifolia, Trifolium curvisepalum, Euphorbia isthmia, Scorzonera drarii, Ballota kaiseri, Otostegia kaiseri, n.spp.

Linnell, T.
Zur morphologie und systematik triassischer cycadophyten. I. Die gattung sphenozamites Brongn. Svensk Bot. Tidskr. 26: 241-263. illus. pl.vi. 1932. no.1/2.

Svensk.Bot. Tidskr. (cont.)

Litschauer, V.
Ueber zwei neue basidiomyceten aus dem schwedischen naturschutzpark von "Vårdsätra" bei Uppsala. Svensk Bot.Tidskr. 26: 448-452. illus. 1932. no.3/4.
Tulasnella griseo-rubella, Tomentella livida.

Lundegårdh, H., Burström, H. & Rennerfelt, E.
Untersuchungen über die salzaufnahme der pflanzen. II. Die aufnahme von alkali- und erdalkalichloriden. Svensk. Bot. Tidskr. 26: 271-283. 1932. no.1/2.

Lynge, B.
Om utbredelsen av endel arktiske laver. Svensk Bot. Tidskr. 26: 401-430. maps. 1932. no.3/4.

Malme, G. O.
Verrucaria aquatilis Mudd, en sötvattenslav, anträffad i Sverige. Svensk Bot. Tidskr. 26: 458-460. 1932. no.3/4.

Melin, E.
Eine methode zur beseitigung von bakterien bei kulturversuchen mit pilzen. Svensk Bot. Tidskr. 26: 327-332. illus. 1932. no.1/2.

Palm, B.J.
Clavarien und algen. Svensk Bot. Tidskr. 26: 175-190. illus., pl.iii-iv. 1932. no.1/2.

Robak, H.
Ein polyporacee mit tetrapolärer geschlechtsverteilung. Polyporus borealis (Wahlenb.) Fr. Svensk. Bot. Tidskr. 26: 267-270. 1931. no.1/2.

Romell, L.-G.
A Nitrosocystis from American forest soil. Svensk Bot. Tidskr. 26: 303-312. pl.vii-x. 1932. no.1/2.

Stålfert, M. G.
Der einfluss des windes auf die kutikuläre und stomatäre transpiration. Svensk Bot. Tidskr. 26: 45-69. 1932. no.1/2.

Stenar, H.
Studien über die entwicklungsgeschichte von Nothoscordum fragrans Kunth und N. striatum Kunth. Svensk. Bot. Tidskr. 26: 25-44. illus., pl.i-ii. 1932. no.1/2.

Svensk. Bot. Tidskr. (cont.)

Svedelius, N.

On the different types of pollination in Vallisneria spiralis L. and Vallisneria americana Michx. Svensk Bot. Tidskr. 26: 1-12. illus. 1932. no.1/2.

Täckholm, G.

The Egyptian garden roses in Schweinfurth's herbarium. Svensk Bot. Tidskr. 26: 346-364. illus. 1932. no.1/2.

Winge, O.

On the origin of constant species-hybrids. Svensk. Bot. Tidskr. 26:107-122. 1932. no.1/2.

Svenska Skogsvardsfören Tidskr. (Journ. Swedish For. Soc.) (99.8Sk5)

Wallén, A.

Till kännedomen om klimatet i skogen och andra vegetationssamhällen (De la connaissance du climat des fôrets et d'autres associations végétales). Svenska Skogsvårdsfören Tidskr. (Journ. Swedish For. Soc.) 30: 375-401. illus. 1932. no.3/4.

French résumé: p.400-401.

Tasmanian Journ. Agr.

Thomas, P.H.

Apple varieties raised in Tasmania. VI. Geeveston Fanny. Tasmanian Journ. Agr. n.s. 4: 12-14. illus. F.1, 1933. no.1.

Trans. Roy. Soc. Canada. (517Ot81T)

Huskins, C. L.

Factors affecting chromosome structure and pairing. Trans. Roy. Soc. Canada. III, 26(V, Biol. Sci.): 17-28. My.1932.

Mounce, I.

Microscopic characters of sporophores produced in culture as an aid in identifying wood-destroying fungi. Trans. Roy. Soc. Canada. III, 26 (V,Biol.Sci.): 177-181. pl. My.1932.

Trans. Sapporo Nat. Hist. Soc.(410.9Sa6)

Miyabe, K. & Nagai, M.

On Hedophyllum bongardianum (Post. et Rupr.) Yendo and five species of Laminaria from the North Kuriles. Trans. Sapporo Nat. Hist. Soc. 12: 194-205. illus., pl. 1932. no.4.

Trop. Agriculture West Indies.(Trinidad) (26T754)
Sir Daniel Morris, K.C.M.G. Trop. Agriculture West Indies 10: 59. Mr.1933. no.3.

Tropenpfl. (Berlin) (26T75)
Freise, F.
Brasilien als erzeuger von faserpflanzen (ausser baumwolle). Tropenpfl. 36: 60-65. F. 1933. no.2.

U.S. Dept. Agr. Farm. Bull. (1Ag84F)
Shamel, A. D. & Pomeroy, C.S.
Deciduous-fruit improvement through tree-performance records. U.S. Dept. Agr. Farm. Bull. no.1696. 17 p. illus. Ja.1933.

U.S. Dept. Agr. Techn. Bull. (1Ag84Te)
Haller, M. & Magness, J. R.
Relation of leaf area and position to quality of fruit and to bud differentiation in apples. U.S. Dept. Agr. Techn. Bull. no.338. 35 p. illus. pl. i. F.1933.

Leukel, R. W., Dickson, J.G. & Johnson, A. G.
Effects of certain environmental factors on stripe disease of barley and the control of the disease by seed treatment. U.S. Dept. Agr. Techn. Bull. no.341. 39 p. F.1933.

Veröffentl. Geobot. Inst. Rübel, Zurch, (451Z83)
Rübel, E.
Die buchenwälder Europas. Veröffentl. Geobot. Inst. Rübel Zürich no.8. 502 p. illus. 1932.
Contributions by many authors.

Yearbk. Calif. Avocado Assoc. (81C128)
Horne, W. T.
Latest developments in avocado disease control. Yearbk. Calif. Avocado Assoc. 1932: 33-37. illus.

Parker, E.R. & Horne, W. T.
The transmission of avocado sun-blotch. Yearbk. Calif. Avocado Assoc. 1932: 50-56. illus.

Stout, A. B.
Sex in avocados and pollination. Yearbk. Calif. Avocado Assoc. 1932: 172-173. illus.

Yearbk. Carnegie Inst. Washington (500C21)
Carnegie Institution of Washington. Division of Plant biology.
[Report.] In its Yearbk. 31: 183-221. 1932.
H.A. Spoehr, chairman.
Photosynthesis --Investigations on cambium and its derivative tissues by I.W. Bailey - Growth in trees by D. T. MacDougal & F.W. Haasis - Experimental taxonomy by J. Clausen, D. D. Kecik & W.M. Heusi - Desert investigations by F. Shreve - Ecology by F. E. Clements and others - Climatological researches by A.E. Douglas - Paleobotany by R.E. Chaney - Cycadeoid investigation by G.R. Wieland - Cytological investigations by J. Belling.

Der Züchter.(Berlin) (442.8Z8)
Nicholaisen, N.
Die wichtigsten spinatsorten. Der Züchter 5: 1-8. illus. Ja.1933. no.1.

Exper. Stat. Publ.
Brown, J. G.
Plant pathology. Ann. Rep. Arizona Agr. Exp. Stat. 43(1931/32): 109-125. incl. iv pl. [1932?] (Rec'd F.1933)(100Ar4)
First Annual report since 1923.

California agricultural experiment station
Report 1931/32 (Serving California agriculture) 1933. (100C12S)
Contains notes on fruit diseases (p.32-37) truck and field crops (p.56-57) breeding resistant varieties: p.46-49)

Georgia coastal plain experiment station.
Tobacco diseases. Its Ann. Rep. 12(1931, Bull.19): 93-97. Je.1932 (Rec'd F.1933) (100G292)

Iowa Agricultural experiment station - Botany and plant pathology section.
[Report] In its Report of Agricultural research 1931/32: 32-46. 1932(Rec'd F.1933)(100Io9)

New York (Cornell) agricultural experiment station.
[Report of the department of plant pathology.] In its Ann. Rep. 45: 62-66. 1932 (Rec'd F.1933)(100N48C)

South Carolina agricultural experiment station.
Research in plant physiology and plant pathology. In its Ann. Rep. 45(1931/32): 43-52. illus. D.1932(Rec'd F.1933) (100So8)

New Books.

Blatchley, W. S.
In days agone. Indianapolis, The Nature Publishing Co., 1932 (409B61In)

Botanical society of America.
Abstracts of papers to be presented before the general section of the Botanical society of America, at Atlantic City, December 28,29, and 30, 1932. 12 p. 1932 (451B655A)
Mimeographed.

Petty, S. L.
The flora. In Collingwood,W.G., The Lake Counties, London, 1932, p.216-227. (120C69)
Revisions and additions by Mary Thompson, Agnes Drury, and A. G. Hayes.

Haselhoff, E., Bredemann, G. & Haselhoff, W.
Entstehung, erkennung und beurteilung von rauchschäden. Berlin, Gebrüder Borntraeger, 1932.(464.3H273E)

Lecomte, H.
Flore génerale de l'Indo-Chine... t.6, f.2. Paris, Masson, et Cie, N. 1932 (460.13L49)
Marantacées (fin.) cannacées, musacées, par F. Cagnepain; orchidacées, par F. Gagnepain, et A. Guillaumin.

Niklitschek, A.
Water lilies and waterplants. London, Chatto & Windus, 1932 (97N58)

Post, G. E. & Dinsmore, J. E.
Flora of Syria, Palestine and Sinai... v.1, 2d ed. by J.E. Dinsmore. Beirut, American Press. 1932 (46017P84F)

Schiller, J.
Dinoflagellatae (Peridineae) lfg.3. Leipzig, 1933 (Dr.L. Rabenhorst's Kryptogamenflora von Deutschland, Oesterreich und der Schweiz X, Bd. 3 abt.) (461R11)

Symons-Jeune, Bertram H.B.
Natural rock gardening. London, Country Life; N.Y., Scribners, 1933 (97Sy6)

Thompson, R.B.
A sketch of the past fifty years of Canadian botany. In Royal society of Canada, Fifty years retrospect, Anniversary volume. 1882-1932, [Ottawa? 1932] p.173-179. (5170t81F)

BOTANY

CURRENT LITERATURE

LIBRARY
RECEIVED
★ APR 1 1933 ★
U. S. Department of Agriculture

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY.
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C.

Vol. 15, no.6. March 13-25, 1933.

Agric. Colon. (Firenze) (26Ag82)
Falorsi, G.
Le produzioni vegetali del Sahara e delle regioni limitrofe a nord e a sud. Passato, presente, avvenire. Agric. Colon. Firenze 27: 78-89. F.1933. no.2.

Amer. Bot. (Indianapolis, Ind.) (450Am33)
Buswell, W. M.
Odor of Eugenia axillaris. Amer. Bot. 39: 29-30. Ja.1933. no.1.

Clark, F. R.
An insectivorous bromeliad. Amer. Bot. 39: 28-29. Ja.1933. no.1.
Bromelia sp.

Clute, W. N.
Fruit of the pagoda tree. Amer. Bot. 39: 3-4. illus. Ja.1933. no.1.
Sophora japonica.

Clute, W. N.
The meaning of plant names. LIII. Spikenards and ginsengs. Amer. Bot. 39: 15-20. Ja.1933. no.1.

Persian clover in Indiana. Amer. Bot. 39: 34. Ja.1933. no.1.
Trifolium resupinatum.

Speight, W. L.
South Africa's botanical gardens. Amer. Bot. 39: 5-9. Ja.1933. no.1.
Kirstenbosch.

Wild hollyhock in Virginia. Amer. Bot. 39: 36-37. Ja.1933. no.1.
Phrymosia remota.

Wood, C. W.
American Erythroniums. Amer. Bot. 39: 10-14. Ja.1933. no.1.

Amer. Journ. Bot. (450Am36)

Chapman, M.

The ovule and embryo sac of Saxifraga virginiensis. Amer. Journ. Bot. 20: 151-158. pl.4. Mr. 1933. no.3.

Lander, C. A.

The morphology of the developing fruiting body of Lycoperdon gemmatum. Amer. Journ. Bot. 20: 204-215. pl.6-8. Mr.1933. no.3.

LaRue, C. D.

Intumescences on poplar leaves. II. Physiological considerations. Amer. Journ. Bot. 20: 159-175. Mr.1933. no.3.

Scott, F. M. & Sharsmith, H. M.

The transition region in the seedling of Ricinus communis: A physiological interpretation. Amer. Journ. Bot. 20: 176-187. illus. Mr.1933. no.3.

Smith, F. H.

The relation of the satellites to the nucleolus in Galtonia candicans. Amer. Journ. Bot. 20: 188-195. pl.5. Mr.1933. no.3.

Amer. Nat. (470Am36)

Anderson, E. & Schafer, B.

Vicinism in Aquilegia vulgaris. Amer. Nat. 67: 190-192. Mr./Apr.1933. no.709.

Poole, C. F.

Constant species hybrids. Amer. Nat. 67: 188-190. Mr./Ap.1933. no.709.

Ann. Jard. Bot. Buitenzorg. (89B86A)

Lam, H. J.

Beiträge zur morphologie der Burseraceae, insbesondere der Canarieae. II. Weitere tendenzen in blütenstand, blüte, frucht, und vegetationsorganen; anatomisches; schlussbetrachtungen und zusammenfassung. Ann. Jard. Bot. Buitenzorg. 42: 97-226. illus., pl.xi-xvi, fold. tab. 1932. no.2.

Ann. Rep. Nova Scotia Fruit Grow. Assoc. (82N85)

Hockey, J. F.

Recent investigations on bitter pit. Ann. Rep. Nova Scotia Fruit Grow. Assoc. 67(1930): 40-45. D.1930.

Ann. Rep. Quebec Soc. Prot. Plants. (464.9Q3)

Baribeau, B.

A disease of potato. Spindling tuber. Ann. Rep. Quebec Soc. Prot. Plants 23/24(1930/1932): 199-200. 1932.

Bordeleau, R.

A few remarks regarding the eradication of the disease known as wild fire in the tobacco plantations in the Yamaska valley. Ann. Rep. Quebec Soc. Prot. Plants 23/24(1930/1932): 173-176. 1932.

Clinton, G. P.

Notes on three serious tree diseases. Ann. Rep. Quebec Soc. Prot. Plants 23/24(1930/32): 13-19. 1932.

Chestnut blight, Endothia parasitica; white pine blister rust, Cronartium ribicola; willow scab, Fusicladium saliciperdum.

Perrault, C.

The fire blight of apples on the south shore of the lower St. Lawrence. Ann. Rep. Quebec Soc. Prot. Plants 23/24(1930/1932): 169-170. 1932.

Pomerleau, R.

Present status of the white pine blister rust in the province of Quebec. Ann. Rep. Quebec Soc. Prot. Plants 23/24(1930/1932): 176-198. illus. 1932.

Suit, R. F.

Studies on a physiological spotting of apples. Ann. Rep. Quebec Soc. Prot. Plants 23/24(1930/1932): 119-128. illus. 1932.

Suit, R. F.

Recent advances in the knowledge of crown gall of plants. Ann. Rep. Quebec Soc. Prot. Plants 23/24(1930/1932): 129-130. 1932.

Ann. Rep. Oregon State Hort. Soc. (81Or32)

Dana, B. F.

Curly top of vegetables investigations. Ann. Rep. Oregon State Hort. Soc. 24(1932): 81-84. D.1932.

Miller, P. W.

Third report of progress of studies on walnut blight and its control in Oregon. Ann. Rep. Oregon State Hort. Soc. 24(1932): 140-161. illus. D.1932.

Ann. Rep. Oregon State Hort. Soc. (cont.)

Noble, C. W.

Pollenization of Franquettes. Ann. Rep. Oregon State Hort. Soc. 24(1932): 129-139. D.1932.

Schuster, C. E.

Pollination of nuts. Ann. Rep. Oregon State Hort. Soc. 24(1932): 126-129. D.1932.

Trunk, C.

A serious trouble of walnuts. Ann. Rep. Oregon State Hort. Soc. 24(1932): 163-168. D.1932.

Arch. Entwicklungsmech. Organ. (Berlin) (442.9Z33D)

Schuyten, M. C.

Recherches sur la croissance de Zea mays, Avena sativa, Triticum vulgare, Secale cereale, Hordeum vulgare et Lolium perenne. Arch. Entwicklungsmech. Organ. 128:216-248. illus. F.13, 1933. no.1.

Arch. Protistenk. (Jena) (439.8Ar2)

Jahn, T. L.

Studies on the physiology of the euglenoid flagellates. IV. The thermal death time of Euglena gracilis Klebs. Arch. Protistenk. 79: 249-262. 1933. no.2.

Palm, B. T. & Burk, M.

The taxonomy of the Plasmodiophoraceae. Arch. Protistenk. 79: 263-276. illus. 1933. no.2.

Hall, R. P.

On the relation of hydrogen-ion concentration to the growth of Euglena anabaena var. minor and E. deses. Arch. Protistenk. 79: 239-248. 1933. no.2.

Atti Ist. Bot. Giov. Briosi e Lab. Critt. Ital. R. Univ. Pavia

Agostini, A. (451P282)

Coniosporium onychophilum n.sp. causa di onicomicosi. Atti Ist. Bot. Giov. Briosi e Lab. Critt. Ital. R. Univ. Pavia ser.5, 3: 29-36. illus. 1932.

Bergamaschi, M.

Contributo allo studio dei funghi endofiti di epatiche. Atti Ist. Bot. Giov. Briosi e Lab. Critt. Ital. R. Univ. Pavia ser.4, 3; 185-221. illus. 1932.

Fegatella concia invading mycelium of Mucor, Fusarium and Cephalosporium.

Atti Ist. Bot. Giov. Briosi e Lab. Critt. Ital. R. Univ. Pavia (cont.)

Cerri, L.

L'Oospora d'agatae Sacc. è sinonimo di Torula sacchari Corda. Atti Ist. Bot. Giov. Briosi e Lab. Critt. Ital. R. Univ. Pavia ser.4, 3:167-173. 1932.

Ferrari, A.

Ricerche sul Cryptococcus metaniger Cast. Atti Ist. Bot. Giov. Briosi e Lab. Critt. Ital. R. Univ. Pavia ser.4, 3: 175-184. illus. 1932.

Ferrari, A.

Telluriti e seleniti quali reattivi rivelatori di miceti. Atti Ist. Bot. Giov. Briosi e Lab. Critt. Ital. R. Univ. Pavia ser.4, 3: 37-43. 1932.

Ingber, E.

Intorno alla radioeccitazione e alla radiolesione. II-III. Atti Ist. Bot. Giov. Briosi e Lab. Critt. Ital. R. Univ. Pavia ser.4, 3: 95-145,223-307. illus. 1932.

II. Azione biologica dei raggi röntgen semimolli. III. Azione biologica dei raggi röntgen molli. Ricerche eseguite sulla Vicia faba var. minor.

Ingber, E.

Sul tema dell'azione biologica dei raggi röntgen duri, semimolli e molli. Ricerche eseguite sulla Vicia faba var. minor. Atti Ist. Bot. Giov. Briosi e Lab. Critt. Ital. R. Univ. Pavia ser.4, 3: 9-13. 1932.

Maffei, G. B.

Funghi mangerecci e velenosi osservati alla luce di wood. Atti Bot. Giov. Briosi e Lab. Critt. Ital. R. Univ. Pavia ser.4, 3: 147-166. 1932.

Pollacci, G. & Oddo, B.

Influenza del nucleo pirrolico nella formazione della clorofilla. III. Atti Ist. Bot. Giov. Briosi e Lab. Critt. Ital. R. Univ. Pavia ser.4, 3: 69-76. illus. 1932.

Pollacci, G.

Pasquale Baccarini. Atti Ist. Bot. Giov. Briosi e Lab. Critt. Ital. R. Univ. Pavia ser.4, 3: i-vii. port. 1932.

Pollacci, G.

Rassegna sull'attività del Laboratio crittogamico di Pavia... durante l'anno 1931. Atti Ist. Giov. Briosi e Lab. Critt. Ital. R. Univ. Pavia ser.4, 3: 311-324. 1932.

Atti Ist. Bot. Giov. Briosi e Lab. Critt. Ital. R. Univ. Pavia
Pollacci, G. (cont.)
Sul parziale albinismo del frumento. Atti Ist. Bot. Giov. Briosi e Lab. Critt. Ital. R. Univ. Pavia ser.4, 3:1-8. illus. 1932.

Beitr. Geobot. Landesaufnahme, Pflanzengeorgr. Komm. Schweiz. Naturf. Ges.(Bern) (451Sch9B)
Spinner, H.
La Haut-Jura neuchâtelois nord-occidental. Beitr. Geobot. Landesaufnahme Pflanzengeogr. Komm. Schweiz. Naturf. Ges. no.17. 197 p. illus., tab. vi pl., fold.tab., map. D.1, 1932.

Bergcultures (Batavia, Java) (22.5B45)
Jong, J.K.de.
Bijdragen tot de anatomie van de theeplant. V. Bergcultures 7: 132-133. illus. F.4, 1933. no.5.

Biochem. Zeitschr. (Berlin) (384B522)
Bertrand, G.
Ueber farbenänderungen der pilze an der luft. Untersuchungen über Boletus strobilaceus Scop. Biochem. Zeitschr. 258: 76-78. F.8, 1933. no.1/4.

Bol. Agr. São Paulo (9.2Sa63)
Decker, S.
Cultura a valor decorativo das dahlias. Bol. Agr. São Paulo 32: 404-433. illus. 1931.

Hoehne, F. C.
Algo sobre a ecologia do Phrygilanthus eugenioides (H.B.K. Eichl.), que nol-o apresenta como um legitimo ecto- hemi- crypto-parasitica da flora brasilica. Bol. Agr. São Paulo 32: 258-291. illus. 1931.

Hoehne, F. C.
As plantas ornamentaes da flora brasilica e seu, papel como factores da salubridade publica, da esthetica urbana e artes decorativas nacionaes. (cont.) Bol. Agr. São Paulo 32: 434-496. illus., col.plates. 1931.

Bol. Divulg. Of. Fed. Defensa Agr. Mexico (423M572B)
Mexico. Oficina federal para la defensa agricola.
El mal de Panama enfermedad vascular de la planta del platano. Its. Bol. 15: 1-35. illus., col.plates. 1932.

Boll. Studi ed Inform. R. Giard. Colon. Palermo. (451P172)

Bruno, F.
L'Asclepias incarnata L.,nuova pianta tessile? Boll. Studi ed Inform. R. Giard. Colon. Palermo 12: 42-45. 1932.

Bruno, F.
Ricerche sul Cymbopogon stipulatus Chiov. Boll. Studi ed Inform. R. Giard. Colon. Palermo 12: 10-12. illus. 1932.

Bruno, F.
Prime ricerche sull'albinismo dell foglie di Sophora japonica L. Boll. Studi ed Inform. R. Giard. Colon. Palermo 12: 32-41. illus. 1932.

Bruno, F.
Studio sulla Vetiveria zizanioides Stapf. Boll. Studi ed Inform. R. Giard. Colon. Palermo 12: 3-9. illus. 1932.

Catalano, G.
Agave cernua Berger ed altre specie fiorite e fruttificate nell'Orto botanico di Palermo. Boll. Studi ed Inform. R. Giard. Colon. Palermo 12: 19-31. illus. 1932.

Catalano, G.
Una nuova specie di Aloë(Aloë montemartini Cat.) Boll. Studi ed Inform. R. Giard. Colon. Palermo 12: 13-18. illus.,pl. 1932.

Montemartini, L.
Funghi agrumicoli dell'Asmara. Boll. Studi ed Inform. R. Giard. Colon. Palermo 12: 46-48. illus. 1932.
Colletotrichum gloeosporioides, Cladosporium herbarum.

Sorgés, F.
Sulla cellulosa delle foglie della Phoenix dactilifera. Boll. Studi ed Inform. R. Giard. Colon. Palermo 12: 49-55. 1932.

Bot. Gaz.(Chicago) (450B652)

Brown, R. W.
A cretaceous sweet gum. Bot. Gaz. 94: 611-615. illus. Mr.1933. no.3.
Liquidambar fontanella.

Buchholz, J. T.
Determinate cleavage polyembryony, with special reference to Dacrydium. Bot. Gaz. 94: 579-588. illus. Mr.1933. no.3.

Bot. Gaz. (cont.)

Campbell, R. S. & Keller, J. G.
Partial phyllody of Yucca elata. Bot. Gaz. 94: 619-620. illus. Mr.1933. no.3.

Endo, S.
A neogene species of Sequoia from Japan. Bot. Gaz. 94: 605-610. illus. Mr.1933. no.3.

Erlanson, E. W.
Chromosome pairing, structural hybridity, and fragments in Rosa. Bot. Gaz. 94: 551-566. illus. Mr.1933. no.3.

Gustafson, A. H.
Cytological studies in the genus Hieracium. Bot. Gaz. 94: 512-533. illus. Mr.1933. no.3.

Haas, A.R.C.
Walnut yellows in relation to ash composition, manganese, iron, and other ash constituents. Bot. Gaz. 94: 495-511. illus. Mr.1933. no.3.

Johnson, M. A.
Origin and development of tissues in Equisetum scirpoides. Bot. Gaz. 94: 469-494. illus., pl.viii. Mr.1933. no.3.

Navez, A. E.
"Geo-growth" reaction of roots of Lupinus. Bot. Gaz. 94: 616-618. Mr.1933. no.3.

O'Mara, J.
Division of the generative nucleus in the pollen tube of Lilium. Bot. Gaz. 94: 567-578. illus., pl. ix. Mr.1933. no.3.

Pearson, O. H.
Study of the life history of Brassica oleracea. Bot. Gaz. 94: 534-550. illus. Mr.1933. no.3.

Sherff, E. E.
New or otherwise noteworthy Compositae VIII. Bot. Gaz. 94: 589-597. Mr.1933. no.3.
New species of Bidens and Coreopsis.

Singh, T.C.N.
An adapter for photomicrography with box cameras. Bot. Gaz. 94: 621. illus. Mr.1933. no.3.

Thiel, A. F.
Vascular anatomy of the transition region of certain solanaceous plants. Bot. Gaz. 94: 598-604. illus. Mr.1933. no.3.

Bot. Gaz.(cont.)

Tukey, H. B.

Embryo abortion in early-ripening varieties of Prunus avium. Bot. Gaz. 94:433-468. illus. Mr. 1933. no.3.

Bryologist (Pittsburgh) (450B84)

Andrews, A. L.

The Mielichhoferia of northern North America. Bryologist 35: 38-41. My.1932. no.3.

Brown, M. S.

Enthosthodon neoscoticus sp.nov., Latin diagnosis. Bryologist 35: 48. My.1932. no.3.

Schenk, E. & Frye, T. C.

Polytrichadelphus lyallii compared with Polytrichum angustidens. Bryologist 35: 33-38. pl. iv. My.1932. no.3.

Sutliffe, D.

Hepaticae of Guadalupe Island. Bryologist 35: 41-42. My.1932. no.3.

Bull. Gard. Club. Amer. (81G16)

Morrison, B. Y.

A government plant introduction garden. Bull. Gard. Club Amer. 5: 58-64. Mr.1933. no.2.

The United States field station at Bell, Maryland.

Rankin, W. M.

The flora of the pine barrens of New Jersey. Bull. Gard. Club Amer. 5: 17-26. Mr.1933. no.2.

Rawlinson, E. S.

Drought-resistant annuals. Bull. Gard. Club. Amer. 5: 47-53. Mr.1933. no.2.

Bull. Inst. Agron. Stat. Rech. Gembloux (105.1G285)

Lathouwers, V.

La taxonimie des Brassica cultivés. Un essai de mise au point. Bull. Inst. Agron. Stat. Rech. Gembloux 2: 3-16. F.1933. no.1.

English summary: p.16.

Verplancke, G.

Étude comparative de pommes de terre d'origines diverses. I. Resultats des experiences faites en 1931-32. Bull. Inst. Agron. Stat. Rech. Gembloux 1: 123-145. My.1932; 2: 45-73. F.1933. no.2, 1.

English summary: p.145, 73.

Bull. Misc. Inform. Kew.(London) (89K51B)
Kew. Royal gardens.
Review of the work of the Royal botanic gardens, Kew, during 1932. Bull. Misc. Inform. Kew, App. II. 1932. 57 p. pl.xi-xii. 1933.

Bull. Pan Amer. Union (150.9M76)
Killip, E. P.
A scientific resurrection: The Muits herbarium at Madrid. Bull. Pan. Amer. Union 67: 162-171. illus., incl. port. Mr.1933. no.3.

Bull. Soc. Centr. For. Belgique (99.9B83)
Huet, M.
Determination de différentes espèces de pins par l'étude anatomique de l'aiguille. Bull. Soc. Centr. For. Belgique 36(ann.40): 66-75. F.1933. no.2.

Bull. Soc. Sci. Nat. l'Ouest. France. (505N15)
Abbayes, H.d.
Une forme nouvelle de lichen armoricain, Physica astroidea Clem. forma pollinifera nova. Bull. Soc. Sci. Nat. l'Ouest France 41(V,1): 81-83. Jl.30, 1932. no.1/4.

Lemesle, R.
Une deformation teratologique chez Scabiosa succusa.L. Bull. Soc. Sci. Nat. l'Ouest France 41(V,1): 23-25. pl.iv. Jl.30,1932. no.1/4.

Lemesle, R.
De l'endemicité du Fusarium anthophilum (A.Br.) Wr. sur Scabiosa succisa L. dans une localite des environs de Nantes. Bull. Soc. Sci. Nat.l'Ouest France 41(V,1): 31-34. Jl.30, 1932. no.1/4.

Lemesle, R.
Nouvelles stations d'Oenothera muricata L. et d'Oenothera bienni-muricata A.Br. Bull. Soc. Sci. Nat. l'Ouest France 41(V,1): 35-37. Jl.30, 1932. no.1/4.

China Journ. (Shanghai) (475C44)
Steward, A. N. & Chiao, C. Y.
Recent botanical explorations in Kweichow. China Journ. 18: 79-87. 3 pl. F.1933. no.2.

Compt. Rend. Acad. Sci. Paris (505P21)

Vandendries, R. & Brodie, H. J.
Les radiations sexuelles chez les champignons. Compt. Rend. Acad. Sci. Paris 196: 721-723. Mr. 6, 1933. no.10.
Experiments with Lenzites betulina and Pleurotus columbinus.

Compt. Rend. Soc. Biol. Paris (442.9P21)

Eichhorn, A.
Sur l'existence de prochromosomes dans les noyaux du Sinapis nigra. Compt. Rend. Soc. Biol. Paris 112(6): 535-536. F.17,1933. no.6.

Guilliermond, A. & Gautheret, R.
Nouvelles remarques sur les caractères michrochimiques des composés oxyflavoniques et le moyen de le distinguer des tanins. Compt. Rend. Soc. Biol. Paris 112(6): 537-540. illus. F.17, 1933.

Guilliermond, A.
Sur certains états speciaux des pigments anthocyaniques. Compt. Rend. Soc. Biol. Paris 112(7): 648-651. F.24, 1933.

Jonesco, S.
Sur l'epanouissement des fleurs de l'Ipomoea purpurea. Compt. Rend. Soc. Biol. Paris 112(6): 626-628. illus. F.17, 1933.

Mangenot, G.
Sur les corps irisants de quelques Rhodophycées. Compt. Rend. Soc. Biol. Paris 112(7): 659-664. illus. F.24, 1933.

Radoëff, A.
Stimulation de la croissance par divers agents chimiques chez le blé et le riz. Compt. Rend. Soc. Biol. Paris 112(6): 580-582. F.17, 1933.

Contr. Labor. Bot. Univ. Montreal (451M763)

Brunel, J.
Études sur la flore algologique du Québec. I- Contr. Labor. Bot. Univ. Montreal no.22. 19 p. illus. 1932.

Rousseau, J.
Contribution à l'étude du Gentiana victorinii. Contr. Labor. Bot. Univ. Montreal no.23. 7 p. illus. 1932.

Current Science. (Bangalore) (475Sci23)

Virus diseases of plants. Current Science 1: 242-245. F.1933. no.8.

Symposium held during Science congress week at Patna, reported by B. N. Sastri and M. Sreenivasaya.

Cytologia (Tokyo) (442.8C99)

Catcheside, D. G.

The chromosomes of a new haploid Oenothera. Cytologia (Tokyo) 4: 68-113. illus., pl. D.1932. no.1.

Darlington, C. D. & Mather, K.

The origin and behavior of chiasmata. III. Triploid Tulipa. Cytologia (Tokyo) 4: 1-15. illus. D.1932. no.1.

Lammerts, W. E.

An experimentally produced secondary polyploid in the genus Nicotiana. Cytologia (Tokyo) 4: 38-45. illus. D.1932. no.1.

Lammerts, W. E.

The Nicotiana rustica-paniculata amphidiploid derivatives. Cytologia (Tokyo) 4:46-51. illus. D.1932. no.1.

Moffett, A. A.

Chromosome studies in Anemone. I. A new type of chiasma behavior. Cytologia (Tokyo) 4: 26-37. illus. D.1932. no.1.

Pfeifer, H.

Ueber die plasmorrhyse nackter protoplasten, II. Cytologia (Tokyo) 4: 52-67. illus. D.1932. no.1.

Stone, L.H.A. & Mather, K.

The origin and behaviour of chiasmata. IV. Diploid and triploid Hyacinthus. Cytologia (Tokyo) 4: 16-25. illus. D.1932. no.1.

Wada, B.

Mikrurgische untersuchungen lebender zellen in der teilung. I. Die bildung von tetraploidkernen, zweikernigen zellen und anderen abnormen teilungsbildern. Cytologia (Tokyo) 4: 114-134. illus., pl. 2-3. D.1932. no.1.

Gard. Chron. (London) (80G162)

Darnell, A. W.

The genus Androsace. (cont.) Gard. Chron. III, 93: 157-158, 173. Mr.4, 1933. no.2410,2411.

Friend, H.

Herbs and herbalists. II. Chaldean magic and philtres. Gard. Chron. III, 93: 172. Mr.11, 1933. no.2411.

Jackson, A. B.

A new hybrid pine. Gard. Chron. III, 93: 152-153. illus. Mr.4, 1933. no.2410.

P. ayacahuite x P. excelsa.

Ward, F. K.

Mr. F. Kingdon Ward's eleventh expedition in Asia. XXIV. A botanical puzzle. Gard. Chron. III, 93: 170-171. illus. Mr.11, 1933. no.2411.

Color varieties of Rhododendron chryseum.

Gartenw. (Berlin) (80G196)

Ulbrich, E.

Prof. Dr. Paul Graebner. Gartenw. 37: 112. port. Mr.3, 1933. no.9.

Died Feb.6, 1933.

Genetics (442.8G28)

McCray, F. A.

Embryo development in Nicotiana species hybrids. Genetics 18: 95-110. illus. Mr.1933. no.2.

Robertson, D. W.

Inheritance in barley. Genetics 18: 148-158. Mr.1933. no.2.

Sax, H.J.

Chiasma formation in Larix and Tsuga. Genetics 18: 121-128. illus., pl. Mr.1933. no.2.

Indian For. Rec. (99.8In22)

Gorrie, R. M.

The Sutlej deodar. Its ecology and timber production. Indian For. Rec. v.17, pt.4. 140 p. vi pl., map. 1933.

Intern. Sugar Journ. (London) (65.8In8)

Dr. C.A. Barber, C.I.E., Sc.D. A memoir. Intern. Sugar Journ. 35: 93-95. port. Mr.1933. no.411.

Jardinage. (Paris) (80J282)
Heim, R.
Black-rot et faux black-rot de la vigne. Jardinage 20(171):24-26. illus. Mr.1933.

Journ. Agr. Res. (Washington) (1Ag84J)
Eddins, A. H.
Infection of corn plants by Physoderma zeae-maydis Shaw. Journ. Agr. Res. 46: 241-253. illus. F.1, 1933 (Rec'd Mr.20) no.3.

Eisenmenger, W. S.
The distribution of nitrogen in tobacco when the supplies of nitrogen and of light are varied during the growing period. Journ. Agr. Res. 46: 255-265. F.1, 1933. (Rec'd Mr.20) no.3.

Longley, A. E.
Chromosomes in Gossypium and related genera. Journ. Agr. Res. 46: 217-227. illus. F.1, 1933. (Rec'd Mr.20) no.3.

Poole, R. F.
Effects of formaldehyde on Ceratostomella fimbriata and the sweet potato. Journ. Agr. Res. 46: 281-290. illus. F.1, 1933(Rec'd Mr.20) no.3.

Journ. & Proc. Roy. Soc. N.S.W. (Sydney) (514Sy24)
Cheel, E.
A review of "systematology in botany". Journ. & Proc. Roy. Soc. N.S.W. 66: 12-55. 1932. no.1.
Part II of his presidential address.

Journ. Bacteriol. (Baltimore) (448.3J82)
Bayne-Jones, S. & Petrilli, A.
Cytological changes during the formation of the endospore in Bacillus megatherium. Journ. Bacteriol. 25: 261-275. pl. Mr.1933. no.3.

Kaplan, M.L. & Kaplan, L.
The Gram stain and differential staining. Journ. Bacteriol. 25: 309-321. illus. Mr.1933. no.3.

Journ. Hered. (Washington) (442.8Am3)
Fraser, A. C.
Heritable characters in maize. XLIV. Silky ears. Journ. Hered. 24: 41-46. illus. Ja.1933. no.1.

Shull, G. H.
Hugo de Vries at eighty-five. Journ. Hered. 24: 3-6. illus., port. Ja.1933. no.1.

Journ. Hered. (cont.)
Tukey, H. B.
Artificial culture of sweet cherry embryos.
Journ. Hered. 24: 7-12. illus. Ja.1133. no.1.

Journ. Inst. Brew. (London) (390.9In7)
Jones, W.
The downy mildew of the hop in British Columbia.
Journ. Inst. Brew. 39: 126-127. Mr.1933. no.3.

Journ. Nat. Inst. Agr. Bot. (Cambridge) (103N21J)
Salaman, R. N.
Report of the Potato synonym committee on the potatoes sent for immunity trials to the potato testing station, Ormskirk, Lancashire, 1931, 1932. Journ. Nat. Inst. Agr. Bot. 3: 193-197, 198-201. 1932. no.2.

Journ. N.Y. Bot. Gard. (89N48J)
Small, J.K.
A tree sedge. Journ. N.Y. Bot. Gard. 34: 63-65. illus. Mr.1933. no.399.
Mariscus jamaicensis.

Journ. Washington Acad. Sci. (500W276J)
Chase, A.
A new grass from Texas. Journ. Washington Acad. Sci. 23: 137-138. illus. Mr.15, 1933. no.3.
Paspalum almum.

Dreschler, C.
Morphological diversity among fungi capturing and destroying nematodes. Journ. Washington Acad. Sci. 23: 138-141. illus. Mr.3, 1933. no.3.

Hitchcock, A. S.
New grasses from Kashmir. Journ. Washington Acad. Sci. 23: 134-136. illus. Mr.15, 1933. no.3.
Timouria aurita sp.nov.; Orinus gen.nov. (O. arenicola).

Kosmos (Stuttgart) (474K842)
Niklitschek, A.
Die dickfüssige waserhyazinthe. Kosmos 30: 100-101. illus. Mr.3, 1933. no.3.

Lavori R. Ist. Bot. Palermo (451P17L)
Bruno, F.
Sulla trasformazione ed utilizzazione dei prodotti odoranti durante la fioritura e la fruttificazione in alcune andropogonee. Lavori R. Ist. Bot. Palermo 3: 1-12. 1932.

Lavori R. Ist. Bot. Palermo (cont.)

Catalano, G.
L'acido ed il processo d'invecchiamento negli organi Oxalis cernua. Lavori R. Ist. Bot. Palermo 3: 13-41. 1932.

Catalano, G.
Xanthorrhoea preissii var. undulatifolia Cat. Sviluppo e fruttificazione. Lavori R. Ist. Bot. Palermo 3: 95-116. illus. 1932.

Giambra, R.
Osservazioni sulle tracce della lamina nei fillodi di Acacia. Lavori R. Ist. Bot. Palermo 3: 117-125. illus. 1932.

Gioelli, F.
Contributo alla conoscenza del gametofito femmineo e del polline nella famiglia delle Sterculiaceae. Lavori R. Ist. Bot. Palermo 3: 62-81. pl.iii-vi. 1932.

Gioelli, F.
Sul polimorfismo sessuale in Nolina longifolia Hemsley. Lavori R. Ist. Bot. Palermo 3: 129-143. illus. 1932.

Lanza, D.
Un nuovo Limoniastrum. Lavori R. Ist. Bot. Palermo 3: 42-54. illus., pl.i. 1932.
L. monopetalum.

Montemartini, L.
Azione della luce sopra la forza di attrazione del protoplasma per l'acqua. Lavori R. Ist. Bot. Palermo 3: 126-128. 1932.

Montemartini, L.
Intorno all'azione della luce e di eccitanti chimici sopra la traspirazione. Lavori R. Ist. Bot. Palermo 3: 82-94. 1932.

Passalacqua, T.
Sul mal della terra dei frutti di mandarino. Lavori R. Ist. Bot. Palermo 3: 55-61. illus., pl. ii. 1932.
Bacterium citri deliciosae n.sp.

Magyar Biol. Kut. Int. Munk. (Arb. Ungar. Biol. Forsch. Inst.)
(Tihany) (442.9M27)

Redinger, K.
Beitrag zur moosflora der umgebung des Balaton-(Platten-) sees. Magyar Biol. Kut. Int. Munk. (Arb. Ungar. Biol. Forsch.Inst.) 5: 82-105. illus. 1932.

Magyar Biol. Kut. Int. Munk. (Arb. Ungar. Biol. Forsch. Inst.)
(cont.)

Scherffel, A.
Bernardinella bipyramidata Chodat. Magyar Biol. Kut. Int. Munk. (Arb. Ungar. Biol. Forsch. Inst.) 5: 106-108. 1932. no.1.
Hungarian with German summary; p.107-108.

4 Sebestyén, O.
A Ceratium hirundinella apicalis szarva páncéllemezeinek száma. (The number of plates of the apical horn of Ceratium hirundinella). Magyar Biol. Kut. Int. Munk. (Arb. Ungar. Biol. Forsch. Inst.) 5: 109-111. illus. 1932.
English summary: p.110-111.

Soó, R.
Adatok a Balatonvidék vegetációjanak ismeretéhez, IV. (Beiträge zur kenntnis der vegetation des Balatongebiets. IV.) Magyar Biol. Kut. Int. Munk. (Arb. Ungar. Biol. Forsch. Inst.) 5: 112-121. 1932. no.1.

Soó, R.
Erklärung zur geobotanischen karte der halbinsel Tihany. Magyar Biol. Kut. Int. Munk. (Arb. Ungar. Biol. Forsch. Inst.) 5: 122-127. map. 1932.

[Meded.] Lab. Tuinbouwpl. Landbouwhoogesch. Wageningen. (86W12)
Roodenburg, J.W.W.
Kunstlichtcultuur. II. Over de noodzakelijke lichtintensiteit bij bestraling van planten en neonbelichting bij bloemcultures (II. Die notwendige lichtintensität bei pflanzenbestrahlung und neonbelichtung von blumenkulturen). [Meded.] Lab. Tuinbouwpl. Landbouwhoogesch. Wageningen. no.17. 35 p. 6 pl. D.1932.

Mezögazd. Kutat. Budapest. (19M57)
György, B.
Adatok a fügefa (Ficus carica L.) és a füge Magyarországon elöforduló gombabetegségeihez. (Ueber die an ungarländischen feigenbäumen und feigen beobachteten pilzkrankheiten) Mezögazd. Kutat. Budapest 6: 51-57. illus. F.1933. no.2.
German summary: p.56-57.

Microb. Bull. Dept. Sci. & Agr. Jamaica (464.9J22B)
Smith, F.E.V.
Panama disease of bananas in Jamaica. Microb. Bull. Dept. Sci. & Agr. Jamaica no. 1. 22 p. fold.map. 1932.

Mitt. Deut. Landw. Ges. (Berlin) (18D48M)

Schlumberger, O.

Versuche zur bekämpfung des kartoffelschorfes im jahre 1932. Mitt. Deut. Landw. Ges. 48: 195-197. illus. Mr.11,1933. no.10.

Riehm, E.

Soll man das sommergetreide beizen? Mitt. Deut. Landw. Ges. 48: 159-160. F.25, 1933, no.8.

Nat. & Appl. Sci. Bull. Univ. Philipp. (475P532)

Stevens, F. L.

Additional Philippine Uredineae. Nat. & Appl. Sci. Bull. Univ. Philipp. 2: 441-447. illus. D.1932. no.4.

Nat. Hist. (N.Y.) (500N483J)

Fisher, C.

Giants among the plants. Some of the greatest of the world's trees, flowers, and seaweeds. Nat. Hist. 33: 153-162. illus. Mr./Ap.1933. no.2.

Nat. Canad. (Quebec) (410N216)

Rousseau, J.

Essai de bibliographie botanique canadienne (cont.) Nat. Canad. 60: 81-86. Mr.1933. no.3.

Nature (London) (472N21)

Koshy, T.K.

Structure and division of somatic chromosomes in Allium. Nature 131: 362. Mr.11, 1933. no.3306.

Loose, L. & Pearsall, W. H.

Synthesis of protein by green plants. Nature 131: 362-363. Mr.11, 1933. no.3306.

Sheffield, F.M.L.

Virus diseases and intracellular inclusions in plants. Nature 131: 325-326. illus. Mr.4, 1933. no.3305.

Wieland, G. R.

Origin of angiosperms. Nature 131: 360-361. Mr.11, 1933. no.3306.

Nature Mag. (Washington) (409.6N214)

Smith, J. L.

Pushing back the frost line. Nature Mag. 21: 168-170. illus. Ap.1933. no.4.

Spying on the skunk cabbage before spring calls it forth.

Naturwissensch. (Berlin) (474N213)
Böhner, P.
Das erste stadium in der öffnungsbewegung bei Tulipa. Naturwissensch. 21: 178. F.24, 1933. no.8.

Northwest Science (Cheney, Washington) (470N81)
Gaines, E. F.
The value of the hybrid wheats produced by the State college of Washington. Northwest. Science 7: 8-12. Mr.1933. no.1.

Ochrana Rostlin (Prague) (464.80c3)
Blattný, C.
Poznámky o peronospore chmelové (Pseudoperonospora humulis Myib. et Tak.) (Bemerkungen über hopfenperonospora). Ochrana Rostlin 12: 139-144. 1932.
Czech with German summary.

Kalandra, A.
Příspévek ke studiu skodlivosti Botrytis cinerea Pers. v lesních skolkách a semenistích. (Une contribution a l'étude de Botrytis cinerea Pers. dans les pépinières forestières). Ochrana Rostlin 12:130-134. illus. 1932. no.5/6.
Czech with brief French summary.
With particular reference to Pinus silvestris.

Neuwirth, F.
Choroby vzcházející repy a pathologický význam jejich organických pruvodcu. Ochrana Rostlin. 12: 104-130. illus. 1932. no.5/6.
In Czech.

Orchid Rev. (Richmond, Engl.) (800r15)
Black, J.M.
Albinism in Cypripediums. Orchid Rev. 41: 69-72. illus. Mr.1933. no.477.

Matschat, C. H.
Orchids of Yucatan. Orchid Rev. 41: 78-81. Mr.1933. no.477.

Pflanzenbau (Berlin) (18P48)
Klapp, E.L. & Spennemann,
Oekologie und abbau der kartoffel. II. Klima, boden und wildflora in gesunden und abbauenden lagen. Pflanzenbau 9: 303-313. illus. 1933. no.8.

Ziegler, O.
Weitere gesichtspunkte zur ökologie der kartoffel. Pflanzenbau 9: 289-303. 1933. no.8.

Phytopath. (464.8P56)

Bryan, M.K.
Bacterium cucurbitae on cucumber. Phytopath. 23: 309. illus. Mr.1933. no.3.

Carter, W.
The pineapple mealy bug, Pseudococcus brevipes, and wilt of pineapples. Phytopath. 23: 207-242. illus. Mr.1933. no.3.

Carter, W.
The spotting of pineapple leaves caused by Pseudococcus brevipes, the pineapple mealy bug. Phytopath. 23: 243-259. illus. Mr.1933. no.3.

Hoshino, H.M. & Godfrey, G.H.
Thermal death point of Heterodera radicicola in relation to time. Phytopath. 23: 260-270. Mr.1933. no.3.

Huber, G. A.
Aspergillus sclerotiorum, n.sp., and its relation to decay of apples. Phytopath. 23: 306-308. illus. Mr.1933. no.3.

Johnson, J.
Cucumber mosaic on tobacco in Wisconsin. Phytopath. 23: 311. Mr.1933. no.3.

LaRue, C.D.
Intumescences on leaves of Eucalyptus cornuta E. coccifera, Hieracium venosum, Mitchella repens, and Thurberia thespesioides. Phytopath. 23: 281-289. illus. Mr.1933. no.3.

Mielke, J.L.
Tuberculina maxima in western North America. Phytopath. 23: 299-305. Mr.1933. no.3.
Parasite of Cronartium ribicola.

Porter, D.R. & Jones, H.A.
Resistance of some of the cultivated species of Allium to pink root (Phoma terrestris). Phytopath. 23: 290-298. illus. Mr.1933. no.3.

Sanford, G.B. & Marritt, J.W.
The toxicity of formaldehyde and mercuric chloride solutions on various sizes of sclerotia of Rhizoctonia solani. Phytopath. 23: 271-280. Mr.1933. no.3.

Planta Arch. Wiss. Bot. (Berlin) (450P693)

Hahn, F.V.von

Die beziehungen zwischen skorbut-vitamingehalt und oberflächenaktivität bei verschiedenen entwicklungsstadien von erbsen und weizen. Planta Arch. Wiss. Bot. 19: 87-90. F.21, 1933. no.1.

Kozhuchow, Z.A.

Ueber die natur der extrachromosomen bei Zea mays L. Planta Arch. Wiss. Bot. 19: 91-116. illus. F.21, 1933. no.1.

Mengdehl, H.

Studien zum phosphorstoffwechsel in der höheren pflanze. I. Die bestimmung von pyro-und metaphosphat, sowie von phosphit und hypophosphit in pflanzenmaterial. Planta Arch. Wiss. Bot. 19: 154-169. F.1933. no.1.

Mothes, K.

Die vakuuminfiltration im ernährungsversuch. (Dargestellt an untersuchungen über die assimilation des ammoniaks). Planta Arch. Wiss. Bot. 19: 117-138. F.21, 1933. no.1.

Pfeiffer, M.

Der osmotische wert im baum. Planta Arch. Wiss. Bot. 19: 272-278. F.21, 1933. no.1.

Poddubnaja-Arnoldi, W.A.

Geschlechtliche und ungeschlechtliche fortpflanzung bei einigen Chondrilla-arten. Planta Arch. Wiss. Bot. 19: 46-86. illus. F.21,1933. no.1.

Schmucker, T.

Zur entwicklungsphysiologie der schraubigen blattstellung. Planta Arch. Wiss. Bot. 19: 139-153. illus. F.21, 1933. no.1.

Warén, H.

Ueber die rolle des calciums im leben der zelle auf grund von versuchen an Micrasterias. Planta Arch. Wiss. Bot. 19: 1-45. illus. F.21, 1933. no.1.

Weissflog, J.

Studien zum phosphorstoffwechsel in der höheren pflanze. II-IV. Planta Arch. Wiss. Bot. 19: 170-181, 182-241, 242-271. illus. F.21, 1933. no.1.

H. Mengdehl, joint author pt III,IV.

II. Zur sterilen kultur der höheren pflanze. III. Aufnahme und verwertbarkeit organischer phosphorsäureverbindungen durch die pflanze. IV. Aufnahme und verwertbarkeit anorganischer phosphorverbindungen durch die höhere pflanze.

Plant. Chron. (Madras, India) (22P693)
Mayne, W.W.
The function of spraying in coffee crop production. (concl.) Plant Chron. 28: 53-56. F.11, 1933. no.3.

Proc. Roy. Soc. Ser. B (London) (501L84B)
Apsrey, G. F.
Studies on antagonism. I. The effect of the presence of salts of monovalent, divalent, and trivalent kations o the intake of calcium and ammonium ions by potato tuber tissue. Proc. Roy. Soc. Ser.B 122: 451-472. Mr.2, 1933. no.778.

Proc. U.S. Nat. Mus. (500Sm65P)
Brown, R. W.
Fossil plants from the aspen shale of southwestern Wyoming. Proc. U.S. Nat. Mus. v.82, art.12. 10 p. illus., pl.1, 2. 1933. no.2953.

Protoplasma (Leipzig) (442.8P94)
Gicklhorn, J.
Untersuchungen mit lösungen verschiedener dielektrizitätskonstanten und versuch einer analyse der physiologischen wirkung. I. Protoplasma 18: 54-73. F.1933. no.1.
Experiments with Spirogyra setiformis. II deals with Daphnia magna.

Pekarek, J.
Absolute viskositätsmessungen mit hilfe der brownschen molekularbewegung. IV-V. Protoplasma 17: 1-24. O.1932. no.1; 18:1-53. F.1933. no.1.
IV. Plasmaviskositätsmessungen an rhizoiden von Chara fragilis Desv. V. Plasmolyse und zellsaftviskosität.

Smith, E. P.
The calibration of flower colour indicators. Protoplasma 18: 112-125. pl.v-vi. F.1933. no.1.

Weber, F.
Gallensalz-wirkung und plasmolyse-permeabilität. Protoplasma 17: 102-107. O.1932. no.1.

Zirkle, C.
Cytological fixation with the lower fatty acids their compounds and derivatives. Protoplasma 18: 90-111. pl.i-iv. F.1933. no.1.

Publ. Hartley Bot. Lab. Univ. Liverpool (451L752)

Stirling, J.

Studies of flowering in heterostyled and allied species. I. The Primulaceae. Publ. Hartley Bot. Lab. Univ. Liverpool no.8. 42 p. diagrs. 1932.

Thompson, J.M.

Studies in advancing sterility III-V. Publ. Hartley Bot. Lab. Univ. Liverpool. no.4. 44 p. illus. 1927; no.6. 47 p. illus. 1929; no.7. 79 p. illus. 1931.

[III] A study in advancing gigantism with staminal sterility, with special reference to the Lecythideae. IV. The legume. V. The theory of the leguminous strobilus.

III. appears without series title.

Repert. Spec. Nov. Fedde (Berlin) (450R29)

Pavlov, N. V.

Syreitschikovia, genus novum Compositearum ex Asia Media. Repert. Spec. Nov. Fedde 31: 192. Ja.31, 1933. no.11/20.

Pax, F. & Hoffmann, K.

Ueber die stellung der gattung Gonatogyne innerhalb der Euphoribiaceae. Repert. Spec. Nov. Fedde 31: 190-191. Ja.31, 1933. no.11/20.

Plahn,

Zur systematik der umbelliferen. Repert. Spec. Nov. Fedde 31(Repert. Europ. & Med. 3, 40/45): 313-320. Ja.31, 1933.

Rechinger, K.H.

Vorarbeiten zu einer monographie der gattung Rumex. II. Die arten der subsektion Patientiae. Repert. Spec. Nov. Fedde 31(Repert. Europ. & Med. 3,40/45): 225-283. pl.cxxxv-cxxxvii. Ja.31, 1933.

Rechinger, K.H. & Scheffer, J.

Zur kenntnis der flora und vegetation der Liptauer Alpen (Zentralkarpathen). Repert. Spec. Nov. Fedde 31(Repert. Europ. & Med. 3, 40/45) 284-312. Ja.31, 1933.

Schmidt, O.C.

Beiträge zur kenntnis der andinen südamerikanischen lauraceen. I. Repert. Spec. Nov. Fedde 31: 168-189. Ja.31, 1933. no.11/20.

Schulz, O. E.

Aufzählung der von E. Blatter und J. Fernandez in Waziristan gesammelten cruciferen. Repert. Spec. Nov. Fedde 31: 162-168. Ja.31, 1933. no.11/20.

Repert. Spec. Nov. Fedde. (cont.)

Schulz, O. E.,
Eine neue Lagotis-art. Repert. Spec. Nov. Fedde 31: 161-162. pl.cxxxiv. Ja.31,1933. no.11/20.
L. blatteri.

Zahlbrucker, A.
Flechten der insel Formosa. Repert. Spec. Nov. Fedde 31: 194-224. Ja.31, 1933. no.11/20.

Rep. Dir. Vet. Serv. Dept. Agr. So. Africa (Pretoria) (41.9So8V)

Curson, H.H.
Notes on the flora of Ngamiland and Chobe, I. Outline of the floral regions. Rep. Dir. Vet. Serv. Dept. Agr. So. Africa 18(2): 1041-1060. illus. 1932.

Henrici, M.
Cystine and sulphur content of bushes and grasses in a Karroid area (Fauresmith). Rep. Dir. Vet. Serv. Dept. Agr. So. Africa 18(2): 579-595. 1932.

Steyn, D. G.
Investigations into the toxicity of known and unknown poisonous plants in the Union of South Africa. (cont.) Rep. Dir. Vet. Serv. Dept. Agr. So. Africa 18(2): 871-891. 1932 .

Rep. Mass. Fruit Grow. Assoc.(81M384)

Boyd, O. C.
Why was apple scab so hard to control in 1931? Rep. Mass. Fruit Grow. Assoc. 38(1932): 143-148. 1932.

Guba, E. F.
Twig scab and spray injury. Rep. Mass. Fruit Grow. Assoc. 38(1932): 149-153. 1932.

Heinicke, A. J
Pollination and other conditions determining the set of fruit. Rep. Mass. Fruit Grow. Assoc. 38(1932): 74-85. 1932.

Rep. Oper. Dept. Agr. Punjab. (22P961R)

India. Punjab. Dept. of agriculture.
Plant diseases, mycological and bacterial. Rep. Oper. Dept. Agr. Punjab. 1931/1932: 20-22. 1932.

Rev. Bot. Appl. (Paris) (26R323)

Caubet, P.

La canne à sucre à Maurice. Rev. Bot. Appl. 13: 59-61. Ja. 1933. no.137.

Galy-Carles, J.

État actuel de la culture du cotonnier au Soudan Anglo-Egyptien. Rev. Bot. Appl. 13: 46-50. Ja. 1933. no.137.

Normand, D.

Le bois de Guarea thompsonii, succédané du bossé. Rev. Bot. Appl. 13: 23-30. illus. Ja. 1933. no.137.

Roberty, G.

Notes au sujet de l'alfa et de quelques plantes affines. Act. Compt. Rend. Assoc. Colon.-Sci. 9: 1-13. Ja.1933 (With Rev. Bot. Appl. v.13, no.137)

Rev. Gén. Bot. (Paris) (450R326)

Douin, R.

Sur la position systématique du genre Hedwigia. Rev. Gén. Bot. 45: 89-91. F.1933. no.530.

Heim, R. & Malençon, G.

Le genre Lycoperdellon: structure et position taxonomique. Rev. Gén. Bot. 45: 53-69. illus. F.1933. no.530.

Rhodesia Agr. Journ. (Salisbury) (24R34)

Hopkins, J.C.F.

Seasonal notes on tobacco diseases. 5.Evil effects of delayed "priming". Rhodesia Agr. Journ. 30: 120-123. F.1933. no.2.

Christian, H. B.

Notes on African aloes (cont.) Rhodesia Agr.Journ. 30: 131-132. 3 pl. on 2. F.1933. no.2.

Rosen-Zeit. (80R72)

Brada, G.

Einiges über rosenpollen. Rosen-Zeit. 48: 12-14. 1933. no.1.

Science (470Sci2)

Belling, J.

Univalent chromosomes of Tradescantia virginiana. Science 77: 260. Mr.10, 1933. no.1993.

Davenport, C. B.

John Belling. Science 77: 250-251. Mr.10, 1933. no.1993.

Science. (cont.)

Haskins, C.P. & Moore, C.N.
The physiological basis of the twisting habit in plant growth. Science 77: 283. Mr.17, 1933. no.1994.

Takahashi, W.N. & Rawlins, T. E.
Stream double refraction exhibited by juice from both healthy and mosaic tobacco plants. Science 77: 284. Mr.17, 1933. no.1994.

Scient. Agr. (Ottawa) (7Sci2)

Berkeley, G.H. & Madden, G. O.
Transmission of streak and mosaic diseases of tomato through seed. II. Scient. Agr. 13: 455-457. Mr.1933. no.7.

Derick, R.A.
Natural crossing with wild oats, Avena fatua. Scient. Agr. 13: 458-459. Mr.1933. no.7.

Greaney, F.J.
Experiments on the control of oat rusts by sulphur dust. Scient. Agr. 13: 426-434. illus. Mr. 1933. no.7.

Simmonds, P.M. & Sallans, B.J.
Further studies on amputations of wheat roots in relation to diseases of the root system. Scient. Agr. 13: 439-448. illus. Mr.1933. no.7.

Soil Sci. (Baltimore) (56.8So3)

Godfrey, G.H., Oliveira, J.M. & Gittel, E.H.
The duration of life of the root knot nematode, Heterodera radicicola, in soils subjected to drying. Soil Sci. 35: 185-195. Mr.1933. no.3.

Godfrey, G.H. & Hagan, H.R.
Influence of soil hydrogen-ion concentrations on infection by Heterodera radicicola (Greeff) Müller. Soil Sci. 35: 175-184. Mr.1933. no.3.

Suomen Maataloust. Seuran Julk. (Acta Agralia Fenn.)
(Heleinki) (20Su7)

Pohjakallio, O.
Sokerien merkitykesestä eräiden ruostesienien ravintoaineena. (Ueber die bedeutung der zuckerarten als nahrungsmittel für einige rostpilze). Suomen Maataloust. Seuran Julk. (Acta Agralia Fenn.) no.25. 93 p. 2 fold.tab. 1932.
German summary: p.87-93.

Succulenta. (Leeuwarden) (450Su1)

Duursma, G. D.

De echte Haworthia margaritifera.
Succulenta 15: 58-59. illus. Mr.1933. no.3.

Frick, G. A.

Monstruositeiten. Euphorbia lactea.
Succulenta. 15: 48-50. illus. Mr.1933. no.3.

Tijdschr. Plantenz. (464.8T44)

Buisman, C.

Proeven over waterverdamping bij bladeren van verschillende iepensoorten. Tijdschr. Plantenz. 39: 38-41. F.1933. no.2.

Dijkstra, G.K.

Proeven ter bestrijding van Cladosporium cucumerinum Ell. et Arth. in bak-komkommers. (Experiments for controlling Cladosporium cucumberinum Ell. and Arth. on hotbed-cucumbers). Tijdschr. Plantenz. 39: 21-37. pl. ii-iii. F. 1933. no.2.

English summary: p.36-37.

Trans. Bose Res. Inst. Calcutta. (409B652)

Banerjee, H. N.

Chemical examination of oils from leguminous pulses. Trans. Bose Res. Inst. Calcutta 7: 260-270. 1933.

Das, S. C.

Electric investigations of the conducting channels in the leaf of Mimosa pudica. Trans. Bose Res. Inst. Calcutta 7: 134-149. illus. 1933.

Dutt, B. K.

Additive and differential action of central and peripheral stimulation on the response of the pulvinus. Trans. Bose Res. Inst. Calcutta 7: 100-123. illus. 1933.

Dutt, B. K.

Conduction of excitation along definite channels from the different quadrants of pulvinus of Mimosa to the periphery. Trans. Bose Res. Inst. Calcutta 7: 90-99. illus. 1933.

Dutt, B. K.

The directive action of an electric current on transmission of excitation in Mimosa. Trans. Bose Res. Inst. Calcutta 7: 124-135. illus. 1933.

Trans. Bose Res.Inst. Calcutta. (cont.)

Guha-Thakurta, A.

Investigations on the action of different rays of light and of electric stimulation on growth. Trans. Bose Res. Inst. Calcutta 7: 178-202. 1933.

Nag, N. C. & Banerjee, H.N.

The proteolytic enzymes of Carica papaya. III. Trans. Bose Res. Inst. Calcutta 7: 250-259. 1933.

Sen, U. C.

Anisotropy induced in plants under unilateral stimulation by light and by gravity. Trans. Bose Res.Inst. Calcutta 7: 162-177. illus. 1933.

Trans. Bot. Soc. Edinb. (451Ed4T)

Boyd, L.

Monocotylous seedlings. Morphological studies in the post-seminal development of the embryo. Trans. Bot. Soc. Edinb. 31: 1-224. illus. 1932. no.1.

Graham, R.J.D.

Symington Grieve. Trans. Bot. Soc. Edinb. 31: 238. 1932. no.1.

Notice of death.

Young, W.

Notes on the collection of British mosses in the herbarium of the Royal botanic garden. Trans. Bot. Soc. Edinb. 31: 225-229. 1932. no.1.

Trop. Agr. (26T751)

Sylva, H.J.A.

Peristeria elata Hook. Trop. Agr. 80: 11-12. pl. Ja.1933. no.1.

Verh. K. Akad. Wetensch. Amsterdam. 2. sect. (503Am8V)

Oort, A.J.P.

Die wiederherstellung der empfindlichkeit nach lichtreiz. Verh. K. Akad. Wetensch. Amsterdam 2.sect., v.29, no.3. 46 p. 1932.

Vict. Nat. (Melbourne) (410V66)

Coleman, E.

Description of a new Caladenia (orchid). Vict. Nat. 49: 246-247. illus. F.1933. no.10.

Caladenia integra, sp.nov.

Coleman, E.

Further notes on the pollination of Diuris pedunculata R.Br. Vict. Nat. 49: 243-245. illus. F.1933. no.10.

Zeitschr. Naturwissensch. (Halle) (410Z33)

Weigelt, J.

Neue pflanzenfunde aus dem mansfelder kupferschiefer. Zeitschr. Naturwissensch. 89: 104-125. illus. 1931. no.4/6.

Zeitschr. Parasitenk. (442.8Z33F)

Steiner, G. & Buhrer, E.M.

The nematode Tylenchus similis, Cobb. as a parasite of the tea plant (Thea sinensis, Linn.) its sexual dimorphism, and its nemic associates in the same host. Zeitschr. Parasitenk. 5: 412-420. illus. F.16, 1933. no.2.

Zeitschr. Pflanzenkr. (Stuttgart) (464.8Z3)

Blunck, H.

Ueber möglichkeiten zur eindämmung der kartoffelnematoden-plage. Zeitschr. Pflanzenkr. 43: 68-77. F.1933. no.2.

Havelik, K.

Die krankhafte kernbildung nach den frösten 1928-29. Zeitschr. Pflanzenkr. 43: 103-113. Mr.1933. no.3.

Fagus silvatica, Juglans regia, Abies pectinata.

Der Zuchter (Berlin) (442.8Z8)

Brieger, F.

Die genaue bestimmung des zeitpunktes der mendelspaltung. Der Züchter 5: 34-44. illus. F.1933. no.2.

Sammelreferat.

Hacizade, M.

Ueber die ursachen der entartung des weizens. Der Züchter 5: 30-34. illus. F.1933. no.2.

Herzfeld-Wuesthoff, F.

Geheimhaltung neuer pflanzenzüchtungen, die patentiert werden sollen. Der Züchter 5: 48. F.1933. no.2.

Könekamp, A. & Lehmann, U.

Ist die wurzelsprossluzerne eine weidepflanze? Der Züchter 5: 28-30. illus. F.1933. no.2.

Sengbusch, R.v.

Die im boden liegenden hartschaligen noch keimfähigen lupinen und ihre praktische bedeutung für die reinhaltung von lupinen-zuchtmaterial. Der Züchter 5: 26-28. F.1933. no.2.

Der Züchter (cont.)

Sengbusch, R. v.
Das verhalten von Solanum racemigerum gegen den erreger des tomatenkrebses (Didymella lycopersici). Der Züchter 5: 25-26. F. 1933. no.2.

Exper. Stat. Publ.

Brown, J.G. & Evans, M.M.
Diseases of peas in Arizona. Arizona Agr. Exp. Stat. Bull. 142:41-78. illus. Ja.15, 1933. (100Ar4)

Hawkins, R.S., Matlock, R.L. & Hobart, C.
Physiological factors affecting the fruiting of cotton with special reference to boll shedding. Arizona Agr. Exp. Stat. Techn. Bull.46: 361-407. iii pl. Ja.15,1933. (100Ar4)

Robertson, D. W.
The effect of a lethal in the heterozygous condition on barley development. Colorado Agr. Exp. Sta. Techn. Bull. 1. 12 p. illus. D.1932. (100C71S)

Greene, L., Withrow, R.B. & Richman, M.W.
The response of greenhouse crops to electric light supplementing daylight. Indiana Agr. Exp. Stat. Bull.366. 20 p. illus. D.1932(100In2P)

Guba, E. F.
Carbon disulfide emulsion for the control of the root-knot nematode. Massachusetts Agr. Exp. Stat. Bull. 292. 16 p. illus. D.1932(100M38H)

New Jersey agricultural experiment station - Dept. of plant pathology.
Gladiolus scab control experiments 1932. Its nursery Dis. Notes. v.5, no.8. 3 p. F.1933. (464.9N46)

Hopkins, E.F. & Gourley, J.H.
A study of the ash constituents of apple fruits during the growing season. Ohio Agr.Exp. Stat. Bul 519. 30 p. F.1933 (100Oh3S)

Wilson, J.D. & Tilford, P.E.
The use of formaldehyde dust in growing seedlings. Ohio Agr. Exp. Stat. Bull. 520. 40 p. illus. F. 1933 (100Oh3S)

Crowley, D. J.
Observations and experiments with blueberries in western Washington. Washington Agr. Exp. Stat. Bull. 276. 20 p. illus. Ja.1933(100W27E)

State Publications.

Burkett, J.H.

The pecan in Texas, pecan soils, districts, streams, orchards, groves, care, propagation, cultivation, covercrops, irrigation production, insects, diseases, etc. Bull. Texas Dept. Agr. 111. 239 p. illus., fold.tables. Jl. Ag. 1932. (2T312B)

Diseases of the pecan: p.220-224.

New Books.

Forschungen auf dem gebiete des pflanzenbaus und der pflanzenzüchtung. Festschrift zum siebzigsten geburtstag von Kurt von Rümker... Berlin, Paul Parey, 1929 (64F77)

Berkner, F.W. & Schlimm, W.

Untersuchungen über den wasserverbrauch von 10 sommerweizensorten. Forschungen auf dem gebiete des pflanzenbaus und der pflanzenzüchtung Festschrift ... Kurt von Rümker. p. 103-114. 1929.

Bredemann, G.

Ueber die quantitative bestimmung der steinbrandsporen im saatgut nebst untersuchungen anerkannter saatweizen auf brandsporengehalt. Forschungen auf dem gebiete des pflanzenbaus und der pflanzenzüchtung. Festschrift ... Kurt von Rümker. p.157-169. 1929.

Klapp, E. & Schubert, E.

Voruntersuchungen über die knollenlage einiger kartoffelsorten. Forschungen auf dem gebiete des pflanzenbaus und der pflanzenzüchtung. Festschrift... Kurt von Rümker. p.171-184. illus. 1929.

Opitz, K. & Rathsack, K.

Ueber das verhalten von getreidesorten bei verschiedenem wassergehalt des bodens. Forschungen auf dem gebiete des pflanzenbaus und der pflanzenzüchtung. Festschrift... Kurt von Rümker. p.185-206. 1929.

Tschermak, E.

Ein neuer fruchtbarer weizenartbastart (Triticum turgidum x Triticum villosum). Forschungen auf dem gebiete despflanzenbaus und der pflanzenzüchtung. Festschrift... Kurt von Rümker. p.69-80. illus., 2 fold. tab. 1929.

Non-current indexing. (cont.)

Kartoffel, Zeitschr. Kartoffelbauges. (cont.)
Trümpener, E.
Die phytophthoraresistente kartoffel. Kartoffel, zeitschr. Kartoffelbauges. 12: 103-105. illus. My.1, 1932. no.9.

Nauchn. Trud. Durzh. Raĭon. Zemel. Opitna i Kontr. Stan. Sadovo (Arb. Staatl. Landw. Versuchs- u. Kontr. Stat. Sadovo) (106.3Sa12A)
Daskalov, K.
Biologichnoto spet͡sializirane pri ruzhditie po zhitniti͡e, v vrŭzka s znachenieto za selekt͡sionirane rezistentni sortove. Izsledvanii͡a bŭrkhu kafi͡avata ruzhda Pucc. triticina Erikss. v Bŭlgarii͡a (Biologische spezialisierung bei den getreiderostpilzen und ihre bedeutung für die rostresistenzzüchtung. Untersuchungen über weizenbraunrost Pucc. triticina Erikss. in Bulgarien). Nauch. Trudy Durzh. Raĭon. Zemel. Opitna i Kontr. Stan. Sadovo (Arb. Staatl. Landw. Versuchs- u. Kontr. Stat. Sadovo) no.27. 22 p. 1930.
Bulgarian with German summary.

Daskalov, Khr.
Izsledvanii͡a bŭrkhu mrazoustoĭchivost'ta na Bŭlgarskiti͡e pshenitsi (Untersuchungen über die kälteresistenz bulgarischer weizensorten) Nauch. Trud. Durzh. Raion. Zemel. Opitna i Kontr. Stan. Sadovo (Arb. Staatl. Landw. Versuchs- u. Kontr. Stat. Sadovo) no.22. 47 p. illus., tab. [1930?]
Bulgarian with German summary.

Georgiev, V.
Sravnitelni sortovi opiti s pamutsi 1926-1930 g. (Comparative experiments with varieties of cotton 1926-1930). Nauch.Trud. Dŭrzh. Raĭon. Zemel. Opitna i Kontr. Stan. Sadovo (Arb. Staatl. Landw. Versuchs- u. Kontr. Stat. Sadovo) no.21. 38 p. 3 pl. [1930?]
Bulgarian with English summary.

Polskie Pismo Entom. (Bull. Entom. Pologne) (Lwów) (421P76)
Siemaszko, J. & Siemaszko, W.
Owadorosty polskie i palearktyczne (Laboulbeniales polonici et palearctici) II. Polskie Pismo Entom. (Bull. Entom. Pologne) 10: 149-188. pl. vii-x. 1932. no.3/4.

Non-current indexing. (cont.)

Proc. Soc. Exp. Biol. & Med. (N.Y.) (442.9So1)

Irwin, M.

Effect of potassium chloride on rate of penetration of dyes. Proc. Soc. Exp. Biol. & Med. 29: 1234. Je.1932. no.9.

Experiments with Nitella.

Irwin, M.

Importance of the internal phase boundary in penetration of dye into the vacuole. Proc. Soc. Exp. Biol. & Med. 29: 1234-1235. Je.1932. no.9.

Link, G.K.K., Link, A.DeS., Cross, G.L. & Wilcox, H.W.

The precipitin-ring test applied to fungi. Proc. Soc. Exp. Biol. & Med. 29: 1278-1281. Je. 1932. no.9.

Zemled, Misŭl. (Agr. Thought) Sofia (21Z42)

Daskalov, Khr.

Prinos kŭm geneticimoto prouchvane na pshenitsata i ovesa (Beitrag zu genetischen studien an weizen und hafer). Zemled. Misŭl. (Agr. Thought) Sofia 2: 65-90. illus. Mr.1931. no.1.

Bulgarian with German summary.

Dodov, D.N.

Vŭprosŭt za rŭzhditi͡e po zhitniti͡e kulturi i negovoto prakticheskо razreshenie (The problem of cereal rusts and its practical solution) Zemled. Misŭl. (Agr. Thought) Sofia 2: 91-104. Mr. 1931. no.1.

Bulgarian.

Genchev, G.

Prouchvanii͡a bŭrkhu mezhduvidovata khibridizatsii͡a v roda Nicotiana (Studies on interspecific hybridization of Nicotiana). Zemled. Misŭl. (Agr. Thought) Sofia 2: 91-111. illus. Je.1931. no.2.

Bulgarian with English summary.

Hruby, J.

Beitrag zu pilzflora Bulgariens. Zemled. Misŭl. (Agr. Thought) Sofia 2: 65-85. D.1931. no.3.

Including descriptions of several new species.

Non-current indexing. (cont.)

Zemled. Misŭl. (Agr. Thought) Sofia. (cont.)

Khristov, A.

Bakteriĭnata bolest po chernitsata v Bŭlgarii͡a [The mulberry bacterial blight in Bulgaria). Zemled. Misŭl. (Agr. Thought) Sofia 1(2): 193-220. illus. D.1930(1931) no.2.

Bulgarian with English summary.

Kovachevski, I.K.

Bakterialnii͡at listen prigor po sudankata i metlata (The bacterial leaf blight of sudan grass and broomcorn in Bulgaria). Zemled. Misŭl. (Agr. Thought) Sofia 2(3): 51-64. illus. D.1931.

Bulgarian with English summary.

Closely resembles Holcus bacterial spot of maize.

Popov, A.

Morfologicheski prouchvanii͡a bŭrkhu sortovii͡a sŭstav na razprostranenit͡ie u nas ti͡uti͡uni (Morphologische studien über einige bulgarischen tabaksorten) Zemled. Misŭl. (Agr. Thought) Sofia 2: 1-34. illus. Mr.1931. no.1.

Bulgarian with Germaan summary.

Popov, I., Kostov, D. & Kendall, J.

Sŭdŭrzhanie na nikotin v edna opitno dobita populatsii͡a ti͡uti͡un. (The nicotine content in an experimentally obtained tobacco population). Zemled. Mixul. (Agr. Thought) Sofia 1(2): 71-74. D.1930

Bulgarian with English summary.

BOTANY
CURRENT LITERATURE

LIBRARY
RECEIVED
★ APR 19 1933 ★
U. S. Department of Agriculture

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY.
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D.C.

Vol. 15, no.7. March 27-Apr.8, 1933.

Agr. Gaz. N.S.W. (Sydney) (23N472)
Can you identify khaki weed? Agr. Gaz. N.S.W. 44: 199-200. illus. Mr.1, 1933. no.3.

Alpe Riv. For. Ital. (Piacenza) (99.8A17)
Micheli, G. di.
Sopra una diffusa e grave malattia infettiva (filloptosi) dei gattici. Alpe, Riv. For. Ital. 20: 92-100. illus. F./Mr. 1933. no.2/3.
Marssonina castagnei.

Amer. Journ. Pharm. (Philadelphia) (396.8Am3)
Viehoever, A.
Yeast - in welfare and industry. Amer. Journ. Pharm. 105: 114-144. illus. Mr. 1933. no.3.

Amer. Midl. Nat. (Notre Dame, Ind.) (410M58)
Cain, S.A. & Potzger, J. E.
A comparison of leaf tissues of Gaylussacia baccata (Wang.) C. Koch. and Vaccinium vacillans Kalm. Grown under different conditions. Amer. Midl. Nat. 14: 97-112. illus. Mr.1933. no.2.

Cain, S.A. & Miller, J.D.O.
Leaf structure of Rhododendron catawbiense Michx. Grown in Picea-Abies forest and in heath communities. Amer. Midl. Nat. 14: 69-82. illus. Mr. 1933. no.2.

Duncan, W. H.
Ecological comparison of leaf structures of Rhododendron punctatum Andr. and the ontogony of the epidermal scales. Amer. Midl. Nat. 14: 83-96. illus. Mr.1933. no.2.

Amer. Orchid Soc. Bull. (80Am329)
Ames, O.
The Reichenbachian herbarium. Amer. Orchid Soc. Bull. 1: 98-99. port. Mr.1933. no.4.

Guenther, K.
Epiphytes. Amer. Orchid Soc. Bull. 1: 108-111. Mr.1933. no.4.

Amer. Orchid Soc. Bull. (cont.)

Moore, G. T.

Latin America and the queen of flowers. Amer. Orchid Soc. Bull. 1: 102-107. illus. Mr.1933. no.4.

Wherry, E. T.

Native orchids. Our eastern orchids and their cultivation. Cypripedium arietinum. Amer. Orchid Soc. Bull. 1: 100-101. illus. Mr.1933. no.4.

Ann. Univ. Stellenbosch. (Capetown) (515St3)

Van Der Byl, P. A.

Die swamfamilie Xylariaceae in die Unie van Suid-Afrika. Ann. Univ. Stellenbosch v.10,A, no.3. 10 p. pl. D.1932.

Xylaria schreuderiana, Kretzschmaria knysnana n.spp.

Ann. Tecn. Agr. (Roma) (16An73)

Ongaro, D.

La composizione della foglia verde autunnale e della foglia gialla del gelso. Ann. Tecn. Agr. (Rome) 6: 196-208. Mr.1, 1933. no.2.

Riccardo, S.

Secundo contributo allo studio di una malattia che danneggia le olive in Calabria (Macrophoma dalmatica (Thüm.) Berl. et Vogl.) Ann. Tecn. Agr. (Rome) 6: 209-216. illus., pl.v-vii. Mr.1, 1933. no.2.

Tallarico, G. & Tirelli, M.

La germinazione, metodo di indagine biologica. 2. Germinabilità differenziale nelle ore diurne e notturne. Ann. Tecn. Agr. (Rome) 6: 217-224. pl. viii. Mr.1, 1933. no.2.

Ann. Rep. Brooklyn Bot. Gard. (451B79R)

Graves, A. H.

Forest pathology. Ann. Rep. Brooklyn Bot. Gard. 22: 57-63. illus. Ap.1933. no.2.

Reed, G. M.

Plant pathology. Ann. Rep. Brooklyn Bot. Gard. 22: 53-57. Ap.1933. no.2.

Arch. Pharm. & Ber. Deut. Pharm. Ges. (Berlin) (396.8Ar2A)

Jaretzky, R. & Schaub, C.

Ueber das vorkommen von mannit bei arten der gattung Delphinium. Arch. Pharm. & Ber. Deut. Pharm. Ges. 271: 171-174. Mr.1933. no.3.

Arch. Pharm. & Ber. Deut. Pharm. Ges. (cont.)
Orechoff, A. & Konowalowa, R.
Ueber die alkaloide von Convolvulus pseudocantarbricus Schrenk. Arch. Pharm. & Ber. Deut. Pharm. Ges. 271: 145-148. Mr.1933. no.3.

Atti R. Accad. Naz. Lincei VI, Rend. Cl. Sci. Fis., Mat. e Nat. (Rome) (507R66)
Gigante, R.
Ricerche preliminari sopra un'alterazione non parassitaria della olive. Atti R. Accad. Naz. Lincei VI, Rend. Cl. Sci. Fis., Mat. e Nat. 17: 99:103. Ja.8, 1933. no.1.
Similar to bitter pit of apples.

Quilico, A. & Capua, A.
Sopra l'aspergillina, il pigmento delle spore dell'Aspergillus niger. Atti R. Accad. Naz. Lincei VI, Rend. Cl. Sci. Fis., Mat. e Nat. 17: 93-99. Ja.8, 1933. no.1.

Beih. Bot. Centralbl. Abt.II. (Dresden) (450B65Bo)
Bharucha, F. R.
Etude ecologique et phytosociologique de l'association a Brachypodium ramosum et Phlomis lychnitis des garigues languedociennes. Beih. Bot. Centralbl. Abt.II, 50: 247-379. illus. F.1933. no.2.

Eig, A.
Ecological and phytogeographical observations on Palestine plants. Beih. Bot. Centralbl. Abt. II, 50: 470-496. F.1933. no.2.

Fott, B.
Einige neue protococcalenarten. Beih. Bot. Centralbl. Abt.II, 50: 577-584. illus. F.1933. no.2.
Thorakochloris planktonica, Oocystis ornata, Lagerheimia minor, n.spp.

Gross, H.
Die eibe im Ostpreussen. Beih. Bot. Centralbl. Abt.II. 50: 552-576. illus. (incl. map) F.1933. no.2.

Keissler, K.von.
Zusammenstellung einiger interessanter flechtenparasiten. Beih. Bot. Centralbl. Abt.II. 50: 380-394. F. 1933. no.2.

Beih. Bot. Centralbl. Abt.II. (cont.)

Müller, P.

Verbreitungsbiologie der gariqueflora. Beih. Bot. Centralbl. Abt.II, 50: 395-469. illus. F.1933. no.2.

In Montpellier region.

Nestler, H.

Beiträge zur systematischenkenntnis der gattung Linum. Beih. Bot. Centralbl. Abt.II, 50: 497-551. illus., pl.iv-vii. F.1933. no.2.

Beretn. Landbofor. Virks. Planteavl. Sjaelland. (København) (11Z1Be)

Olsen, H.K.

Forsøg og undersøgelser vedrørende kemiske midler til bekaempelse af plantesygdomme. Beretn. Landbofor. Virks. Planteavl. Sjaelland. 1932: 176-184. 1933.

Bergcultures (Batavia, Java) (22.5B45)

Jong, J.K.de.

Bijdragen tot de anatomie van de theeplant. VI. Bergcultures 7: 197-198. illus. F.18, 1933. no.7.

Ber. Deut. Bot. Ges. (Berlin) (451D48)

Dittrich, G.

Zur giftwirkung der knollenblätterpilze im tierversuch. Ber. Deut. Bot. Ges. 51: 37-40. F.23, 1933. no.1.

Gessner, F.

Die gattung Dinobryon in phylogenetischer betrachtung. Ber. Deut. Bot. Ges. 51: 8-12. pl. i. F.23, 1933. no.1.

Heinricher, E.

Zur frage nach dem bau der primulaceen-placenta. Ber. Deut. Bot. Ges. 51: 4-7. illus. F.23, 1933. no.1.

Huber, B.

Beiträge zue kenntnis der wasserpermeabilität des protoplasmas. I. Permeabilitätsunterschiede zwischen epidermis und mesophyll im Vallisneria-blatt. Ber. Deut. Bot. Ges. 51: 53-64. F.23, 1933. no.1.

Knapp, E.

Ein neues Oedocladium aus Nord-Amerika (Oed. wettsteinii). Ber. Deut. Bot. Ges. 51: 40-43. pl.ii. F.23, 1933. no.1.

Ber. Deut. Bot. Ges. (cont.)

Stern, K.
Ueber ein thermodynamisches gesetz der lebenserhaltung. Ber. Deut. Bot. Ges. 51: 44-52. F.23, 1933. no.1.

Troll, W.
Zur deutung des blütenbaues fossiler Articulatales. Ber. Deut. Bot. Ges. 51: 21-36. illus. F.23, 1933. no.1.

Weisse, A.
Die art der distichie an der achselsprossen von Zingiber. Ber. Deut. Bot. Ges. 51: 13-20. F.23, 1933. no.1.

Biochem. Zeitschr. (Berlin) (384B522)

Chrzaszcz, T. & Zakomorny, M.
Biochemische umbildung des zuckers durch schimmelpilze. Die umbildung der fumarsäure, anhäufung der ameisensäurebildung. Biochem. Zeitschr. 259: 156-167. F.28, 1933. no.1/3.
Aspergillus, Penicillium.

Deleano, N. T. & Dick, J.
Beiträge zue kenntnis des carotins. I. Neue methoden zur darstellung, nachweis, und bestimmung. Biochem. Zeitschr. 259: 110-133. F.28, 1933. no.1/3.

Fuchs, W., Gagarin, R. & Kothny, H.
Ueber den einfluss von braunkohle und produkten aus braunkohle auf das pflanzenwachstum. Biochem. Zeitschr. 259: 85-99. illus. F.28,1933. no.1/3.

Herndlhofer, E.
Menge und verteilung von oxalsäure und äpfelsäure in der kaffeepflanze. Biochem. Zeitschr. 259: 168-174. F.28, 1933. no.1/3.

Schroeder, H. & Herrmann, F.
Ueber die kohlenhydrate und über den kohlenhydratstoffwechsel der laubblätter. II. Saccharoseinversion nach ätherbehandlung von blättern (Tropäolum). Biochem. Zeitschr. 259: 231-237. F.28, 1933. no.1/3.

Biol. Rev. & Biol. Proc. Cambridge Phil. Soc. (442.9C14)

Smith, K.M.
The present status of plant virus research. Biol. Rev. & Biol. Proc. Cambridge Phil. Soc. 8: 136-179. pl. Ap.1933. no.2.

Bol. Mus. Nac. Rio de Janeiro. (516R47B)

Amaral, A.do

Maximiliano, Principe de Wied. Ensaio bio-bibliográfico. Bol. Mus. Nac. Rio de Janeiro. 7: 187-210. port. fold. map. S.1931. no.3.

English summary: p.208-210.

Brade, A. C. & Rosenstock, E.

Filices novae Brasilianae. II. Novos fêtos do Brasil. Bol. Mus. Nac. Rio de Janeiro 7: 135-147. ix pl. S.1931. no.3.

English summary: p.146-147.

Piza, S.de T.

Mitose somatica. Alguns casos interessantes debaixo do ponto de vista da teoria do plastinema. Bol. Mus. Nac. Rio de Janeiro. 7: 149-158. pl. S.1931. no.3.

Allium sativum and Nothoscordum fragrans.

Rangel, E.

A proposito dos Puccinia das myrtaceas no Brasil. Bol. Mus. Nac. Rio de Janeiro 7: 211-213. S.1931. no.3.

English summary: p.212-213.

Bot. Arch. (Leipzig) (450B6526)

Bilhuber, E.

Beiträge zur kenntnis der organstellungen im pflanzenreich. Bot. Arch. 35: 188-250. illus. F.1933. no.1/2.

English abstract: p.248-249.

Experiments with Cactaceae and Euphorbiaceae.

Dombrowski, G.

Zur experimentellen ökologie und physiologie der sporenverbreitung bei laubmoosen. Bot. Arch. 35: 77-133. illus. F.1933. no.1/2.

English abstract: p.131-132.

Kirchheimer, F.

Die erhaltung der sporen und pollenkörner in den kohlen sowie ihre veränderungen durch die aufbereitung. Bot. Arch. 35: 134-187. illus. F.1933. no.1/2.

English abstract: p.184-185.

Stock, J.

Kulturversuche mit Aspergillus niger als indikator für die dungerbedürftigkeit. Bot. Arch. 35: 1-76. illus. F.1933. no.1/2.

English abstract: p.74.

Bot. Mus. Leafl. Harvard Univ. (451H252)

Ames, Oakes.

An addition to the genus Hexadesmia. Bot. Mus. Leafl. Harvard Univ. 6: 1-3. pl. Mr.20, 1933.

Hexadesmia hondurensis.

Ames, O.

A new Bletia from Spanish Honduras. Bot. Mus. Leafl. Harvard Univ. 6: 5-7. pl. Mr.20, 1933.

Bletia papillifera.

Bot. Zhurn. SSSR (Journ. Bot. URSS) (451R923)

Beketovsky, A. N.

K voprosu o partenokarpii Salix alba L., S. caprea L., Populus alba, L.i Ulmus campestris L. (Zur frage über die parthenopkarpie...) Bot. Zhurn. SSSR. (Journ. Bot. URSS) 17: 385-400. illus. 1932. no.4.

Russian with German summary.

Gorenko, M. V.

Nekotorye redkie ili novye dli͡a Tsentral'noĭ Chernozemnoĭ Oblasti vidy parazitnykh gribov (Einige über das zentrale Schwarzerdebegiet seltene oder neue arten der parasitischen pilze). Bot. Zhurn. SSSR (Journ. Bot. URSS) 17: 383-384. 1932. no.4.

Russian.

Ivanov, L. A.

O primenenii fotometra Edera dli͡a izmerenii͡a estestvennogo osveshchenii͡a pri ekologicheskikh issledovanii͡akh (Ueber die anwendung des Eder'schen photometers bei messungen des natürlichen lichtes zwecks ökologischer forschungen). Bot. Zhurn. SSSR (Journl. Bot. URSS) 17: 352-360. 1932. no.4.

Russian with German summary.

Ivanov, L. A.

O zakonomernosti raspredelenii͡a sveta v lesnykh assotsiatsi͡akh (Ueber die gesetzmässigkeit der lichtverteilung in den waldassoziationen). Bot. Zhurn. SSSR (Journ. Bot. URSS) 17: 339-351. 1932. no.4.

Russian with German summary.

Karishnev, R. V.

Izmenchivost dvukh vidov khondrill (Chondrilla ambigua Fisch. i Chondrilla pauciflora Lbd. (Variabilität zweier Chondrilla-arten...) Bot. Zhurn. SSSR (Journ. Bot. URSS) 17: 401-414. illus. 1932. no.4.

Russian with German summary.

Bot. Zhurn. SSSR (Journ. Bot. URSS) (cont.)

Karishnev, R. V.

K metodike opredeleniia organicheskogo ugleroda v rastitel'nom veshchestve mokrym sozhzheniem (Zur methodik der bestimmung des organischen kohlenstoffs in pflanzensubstanz auf nassem wege). Bot. Zhurn. SSSR (Journ. Bot. URSS) 17: 361-362. illus. 1932. no.4.

Russian.

Kongisser, R. A.

K poznaniiu dvizheniia odnokletochnykh sinezelenykh organizmov (Coccogoneae s. Chrococcales) (Zur kenntnis der bewegung von einzelligen Cyanophyceen) Bot. Zhurn. SSSR (Journ. Bot. URSS) 17: 379-382. 1932. no.4.

Russian with German summary.

Larin, I. V.

V poiskakh novykh kormovykh rastenii v Kazakstane i Altae (Ueber neue futterpflanzen aus dem Kasakstan und den Altai). Bot. Zhurn. SSSR (Journ. Bot. URSS) 17: 439-446. 1932. no.4.

Russian.

Shchepkina, T. V.

Vliianie aeratsii na kilu (Plasmodiophora brassicae) pri razvitii ee v korniakh kapusty (Ueber den einfluss von durchluftung auf die entwicklung der hernie (Plasmodiophora brassica) in den wurzlen der kohlpflanze). Bot. Zhurn. SSSR (Journ. Bot. URSS) 17: 363-378. illus. 1932. no.4.

Russian with German summary.

Troitsky, N. D.

K voprosu o rano- i pozdnoraspuskaiushchikhsia rasakh u drevesnykh porod (Zur frage der früh und spät entfaltenden rassen der holzgewächse). Bot. Zhurn. SSSR (Journ. Bot. URSS) 17: 415-438. 1932. no.4.

Russian with German summary.

Bulet. Cult. şi Ferm. Tutun. (Bull. Inst. Exp. Cult. & Ferm. Tabac.) (Bucurest) (69.8B89)

Ghimpu, V.

Afecţiunile patologice şi inamicii tutunului din Romania in 1932. (Les affections pathologiques et les ennemis des tabacs en Roumanie pendant l'annee 1932). Bulet. Cult. şi Ferm. Tutun. (Bull. Inst. Exp. Cult. & Ferm. Tabac) 21: 558-564. O./D.1932. no.4.

Bull. Agr. Chem. Soc. Japan. (J385Ag8B)
(English abstracts of articles in Japanese appearing in the Journal of the Society)

Yamamoto, R., Osima, Y. & Goma, T.
Carotin in mango fruit (Magnifera indica Lin.) Bull. Agr. Chem. Soc. Japan 8: 133-136. O./N. 1932. no.10/12.

Yamamoto, R. & Osima, Y.
On the colouring matter of Hibiscus sabdariffa L. Bull. Agr. Chem. Soc. Japan. 8: 142-149. O./N.1932. no.10/12.
A new glycoside hiviscin.

Bull. Dept. Agr. So. Africa (24So84P)

Plessis, S. J. du
Spraying experiments for the control of the anthracnose disease of almonds. Bull. Dept. Agr. So. Africa 116. 12 p. 1932.

Bull. Dept. Agr. Straits Settlem. & Feder. Malay States (22.5F31Bg)

Federated Malay States & Straits settlements - Mycologist
Annual report for the year 1931. Techn. Rep. Dept. Agr. Straits Settlem. & Fed. Malay States. 1931 (Its Bull. Gen. Ser. no.12): 48-52. 1933.

Bull. Hist. Appl. Phys. et Path. (440.8B87)

Eichhorn, A.
État actuel de nos connaissances sur le noyau et sa division chez les végétaux supérieurs. Bull. Hist. Appl. Phys. et Path. 10: 41-54. F.1933. no.2.

Bull. Mens. Soc. Nat. Hort. France. (Paris) (86So13)

Cayeux, L.
Note sur l'excroissance du collet ou loupe du Dahlia. Bull. Mens. Soc. Nat. Hort. France 6: 72-74. illus. F.1933.

Bull. Min. Agr. Egypt. Techn. & Sci. Serv. (24Ef93)

Brown, C. H., Selim, A.E.G. & Youssef, A.
A preliminary note on the physiological and genetic aspects of hair properties in Egyptian cottons. Bull. Min. Agr. Egypt Techn. & Sci. Serv. 123. 19 p. diagr(s) 1932.

Bull. Misc. Inform. Kew. (London) (89K51B)

Lugard, E. J.
The flora of Mount Elgon. Bull. Misc. Inform. Kew 1933: 49-106. 1933. no.2.
Enumeration of plants by A. A. Bullock.

Bull. Misc. Inform. Kew. (cont.)
Martyn, E. B.
Preliminary list of diseases of economic plants in British Guiana. Bull. Misc. Inform. Kew 1933: 107-110. 1933. no.2.

Bull. Sci. Pharm. (Paris) (396.8B872)
Salgues, R.
Etudes sur les maladies allergiques. Pollinose et agents sensibilisateurs. Bull. Sci. Pharm. 40: 89-98. F.1933. no.2.

Bull. Soc. Mycol. France. (Paris) (451P213)
Gilbert, E. J.
Osmologie mycologique. Bull. Soc. Mycol. France 48: 241-252. F.28, 1933. no.3/4.

Henry, R.
Un nouveau cortinaire du groupe anomalus Fr. Cortinarius (Dermocybe) persoonii (n.sp.) 1931. Bull. Soc. Mycol. France 48: 326-335. illus. F.28, 1933. no.3/4.

Leclair, A.
Russula aquosa Leclair nov,sp. Bull. Soc. Mycol. France 48: 303-305. illus., pl.xxiv (col.) F.28, 1933. no.3/4.

Martens, P.
L'origine du crochet et del'anse d'anastomose chez les champignons superieurs. Bull. Soc. Mycol. France 48: 259-281. illus. F.28, 1933. no.3/4.

Pilat, A.
Additamenta ad floram Asiae Minoris Hymenomycetum. II. Agaricineae. Bull. Soc. Mycol. France 48: 283-302. pl. xxvii-xxxiii. F.28, 1933. no.3/4.
Pleurotus nemecii, P.ilgazicus n.spp.

Romagnesi, H.
Quelques observations sur les Rhodophyllus. Bull. Soc. Mycol. France 48: 306-323. illus., pl. xxxv-xxxvi. (col.) F.28, 1933. no.3/4.

Svara, J.
Contribution à la connaissance des russules de l'Asie Mineure. Bull. Soc. Mycol. France 48: 253-258. pl. xxvi (col.) F.28, 1933. no.3/4.
R. pilati n.sp.

Bull. Soc. Mycol. France. (cont.)
Torrend, R. P.
Chitoniella bahiensis Torrend, n.sp.
Bull. Soc. Mycol. France 48: 325. pl. xxxvii
(col.) F.28, 1933. no.3/4.

Bull. Torr. Club (451T63B)
Bold, H. C.
The life history and cytology of Protosiphon
botryoides. Bull. Torr. Club. 60: 241-299.
illus., pl.10-19. Ap.1933. no.4.

Graham, H. W. & Henry, L. K.
Plant succession at the borders of a kettle-hole lake. Bull. Torr. Club 60: 301-315. illus.
Ap.1933. no.4.
At Deep Pond near Wading River, Long Island.

Bull. U. S. Golf Assoc. Green Sect. (Washington)
Monteith, J. & Dahl, A. S.
Turf diseases and their control. Bull. U. S.
Golf Assoc. Green Sect. 12: 87-186. illus.
Ag.1932 (Rec'd Mr. 1933) no.4.

Cactus (Mont.St. Amand, Belg.) (450C112)
Backeberg, C.
Komt gij mede cactussen zamelen? Cactus
(Mont. St. Amand, Belg.) 3(1): 13-15. illus.
F.1933.

Calif. Citrogr. (Los Angeles) (80C125)
Fawcett, H. S., Klotz, L. J., & Haas, A.R.C.
Water spot and water rot of citrus fruits.
Calif. Citrogr. 18: 165-175. illus. Ap.1933. no.6.

Shamel, A. D.
History of origin and introduction of the
Washington navel orange. Calif. Citrogr. 18:
171. illus. Ap.1933. no.6.

Canad. Journ. Res. (Ottawa) (330.9C16C)
Bisby, G. R., James, J. & Timonin, M.
Fungi isolated from Manitoba soil by the plate
method. Canad. Journ. Res. 8: 253-275. illus.
Mr.1933. no.3.

Lloyd, F. E.
The structure and behavior of Utricularia
purpurea. Canad. Journ. Res. 8: 234-252.
illus., 2 pl. Mr.1933. no.3.

Canad. Journ. Res. (cont.)

Machacek, J. E. & Greaney, F. J.

The effect of mechanical seed injury on the development of foot rot in cereals. Canad. Journ. Res. 8: 276-281. Mr.1933. no.3.

Use of mechanically injured seed promotes the development of seedling blight and foot rot caused by Fusarium culmorum.

Manske, R. H. F.

The alkaloids of fumaraceous plants. IV. Adlumia fungosa, Greene. Canad. Journ. Res. 8: 210-216. Mr.1933. no.3.

Cavanillesia. (450C13)

Font Quer, P.

Una nova Atropa hibrida: x Atropa martiana F.Q. Cavanillesia 5: 155-156. pl.iv. D.31, 1932. no.5/12.

Mas Guindal, J.

Materiales para la flora de Marruecos. VII. Media centuria de plantas de Akarrat, et Mesin y Dra-el-Asef (zona de Xauen). Cavanillesia 5: 178-180. D.31, 1933. no.5/12.

Pau, C.

Plantas rifeñas. Cavanillesia 5: 175-177. D.31, 1932. no.5/12.

Werner, R. G.

Contribution à la flore cryptogamique du Maroc. V. Cavanillesia 5: 157-174. pl. v-vi. D.31, 1932. no.5/12.

Lichens.

La Cellule. (Lierre, Belgium) (442.8C33)

Komuro, H.

Betrachtungen über die zytologischen veränderungen in den in kohlenteerlösung getauchten wurzelspitzen junger pflanzen. La Cellule 41: 219-240. illus., pl. 1932. no.3.

Leliveld, J. A.

Cytological observations on the diploid offspring of a haploid Oenothera franciscana. La Cellule 41: 281-289. pl. 1932. no.3.

Smith, F. H.

The structure of the somatic and meiotic chromosomes of Galtonia candicans. La Cellule 41:243-263. 2 pl. 1932. no.3.

La Cellule. (cont.)

Vandendries, R.

La tetrapolarité sexuelle de Pleurotus columbinus Demonstration photographique d'un tableau de croisements. La Cellule 41:267-278. 2 pl. 1932. no.3.

Compt. Rend. Acad. Sci. Paris (505P21)

Bertrand, P.

Specification des Cladoxylon et des Clepsydropsis de Saalfeld. Compt. Rend. Acad. Sci. Paris 196: 635-636. F.27, 1933. no.9.

Charaux, C. & Rabaté, J.

Contribution à l'etude biochimique du genre Salix. V. Sur l'isosalipurposide. Compt. Rend. Acad. Sci. Paris 196: 816-818. Mr.13, 1933. no.11.

Gautheret, R.

Cultures de cellules détachées de la coiffe. Compt. Rend. Acad. Sci. Paris 196: 638-640. F.27, 1933. no.9.

Experiments with Lupinus albus.

Hamet, R.

Sur l'origine botanique de la drogue connue sous le nom de muira puama. Compt. Rend. Acad. Sci. Paris 196:636-638. F.27, 1933. no.9.

P. olacoides and P. uncinatum.

Kramer, A.

Contribution à l'étude des héterosides de Philyrea latifolia L.(Oleacées). Compt. Rend. Acad. Sci. Paris 196: 814-816. Mr.13, 1933. no.11.

Compt. Rend. Soc. Biol. Paris (442.9P21)

Cornet, P. & Gilles, E.

Resistance de l'Elodea canadensis à des expositions même prolongees aux radiations emises par la lampe à vapeur de mercure. Compt. Rend. Soc. Biol. Paris. 112: 890-892. Mr.10, 1933. no.9.

Hurel-Py, G.

Sur la constitution cytologique des cellules sécretant les retinacles chez le Vincetoxicum officinale. Compt. Rend. Soc. Biol. Paris 112(8): 746-748. illus. Mr.3, 1933.

Compt. Rend. Soc. Biol. Paris (cont.)

Killian, C.
Recherches écologiques sur les fluctuations saisonnières de l'assimilation chlorophyllienne chez les plantes du maquis algerien. Compt. Rend. Acad. Sci. Paris 196: 804-807. illus. Mr.13, 1933. no.11.

Mazé, P., Maze, P.J., and Anxionnaz, R.
Recherches sur la fonction d'absorption chez les racines du mais. Compt. Rend. Soc. Biol. Paris 112: 852-853. Mr.10, 1933. no.9.

Contr. Gray Herb. (Boston)

Broadway, W. E. & Smith, L. B.
The Bromeliaceae of Trinidad and Tobago. Contr. Gray Herb. 102, 2(Reprinted from Proc. Amer. Acad. 68: 152-188. ii pl. Ap.1933. no.5.)

Smith, L. B.
Studies in the Bromeliaceae IV. Contr. Gray Herb. 102, 1. (Reprinted from Proc. Amer. Acad. 68: 145-152. Ap.1933. no.5.)

Deutsche Forst.-Zeit. Neudamm) (99.8D48)

Liese, J.
Die Douglasiennadelschütte (Rhabdocline pseudotsugae). Deutsche Forst.-Zeit. 48: 229-234. illus. Mr.24, 1933. no.12.

Ernähr. Pflanze (Berlin) (57.8Er6)

Acker, W. & König, F.
Die widerstandsfähigkeit des getreides gegen rostbefall und ihre beeinflussung durch die düngung. Ernähr. Pflanze 29: 101-105. Mr.15, 1933. no.6.

Farming So. Africa (Pretoria) 24So842)

Wager, V. A.
The wilt disease of asters. Farming So. Africa 8: 122-123. illus. Mr.1933. no.84.

Gard. Chron. (London) (80G162)

Berckmüller, F.
Lilium umbellatum. Gard. Chron. III, 93: 205. Mr.25, 1933. no.2413.

Grove, A.
Fruits of lilies. I. Gard. Chron. III, 93: 204-205. illus. Mr.25, 1933. no.2413.

Gard. Chron. (cont.)

Roberts, W.

The English gardens at Caserta. Gard. Chron. III, 93: 188. Mr.18, 1933. no.2412.

Smith, E. H.

Celery blight control. (Septoria apii, Bri. and Cav.) Gard. Chron. III, 93: 193-194. illus. Mr.18, 1933. no.2412.

Ward, F. K.

Mr. F. K. Kingdon Ward's eleventh expedition in Asia. XXV. Gard. Chron. III, 93: 206-207. illus. Mr.25, 1933. no.2413.

Wormald, H. & Harris, R. V.

Notes on plant diseases in 1932. (cont.) Gard. Chron. III, 93: 192-193, 213. Mr.18,25, 1933. no.2412. 2413.

Hort. Educ. Assoc. Year Bk. (Wye, Kent) (84H78)

Boyes, D.

Plant breeding at the Cambridge horticultural research station. Hort. Educ. Assoc. Year Bk. 1: 27-36. illus. 1932.

Martin, H.

The present uses and future development of spray spreaders. Hort. Educ. Assoc. Year Bk. 1: 76-84. 1932.

Ogilvie, L.

Investigations on vegetable diseases in the Bristol Province. Hort. Educ. Assoc. Year Bk. 1: 45-48. 1932.

Industr. & Engin. Chem. (Easton, Pa.) (381J825)

Sauchelli, V.

Flotation sulfur in agriculture. Industr. & Engin. Chem. 25: 363-367. illus. Ap.1933. no.4.

Typical results given of control of such fruit diseases as apple scab, peach brown rot, peach scab...

Intern. Bull. Plant Prot. (464.8In8)

Savulescu, T.

Roumania: Black rust of cereals in 1932 and the measures taken to prevent future outbreaks. Intern. Bull. Plant Prot. 7: 29-31. F.1933. no.2.

Stevens, N. E.

United States of America: A survey of apple rust in 1932. Intern. Bull. Plant. Prot. 7: 28-29. F.1933. no.2.

Izv. Akad. Nauk SSSR (Bull. Acad. Sci. URSS) (Leningrad) (511Sa2B

Khlebnikova, N. A.

O zharostoĭkosti rasteniĭ (Sur la stabilité des plantes envers la chaleur). Izv. Akad. Nauk. SSSR (Bull. Acad. Sci. URSS) 1932: 1127-1146. no.8. Russian.

Philippov, G. S.

Materialy po mikroflore slizetechenii drevesnykh porod (Contributions à l'étude de la microflore des suintements des arbres). Izv. Akad. Nauk. SSSR (Bull. Acad. Sci. URSS) 1932; 1155-1162. illus., pl. no.8.

Russian.

Dissophora nadsonii n.sp.

Jahrb. Wiss. Bot. (Leipzig) (450P93J)

Krauss, L.

Entwicklungsgeschichte der früchte von Hordeum, Triticum, Bromus und Poa mit besonderer berücksichtigung ihrer samenschalen. Jahrb. Wiss. Bot. 77: 733-808. illus. 1933. no.5.

Schumacher, W.

Untersuchungen über die wanderung des fluoreszeins in den siebröhren. Jahrb. Wiss. Bot. 77: 685-732. 1933. no.5.

Experiments with Pelargonium.

Wolff, H.

Zur assimilation atmospharischen stickstoffs durch die wurzelpilze von Coralliorrhiza innata R.Br., sowie der epiphyten Cattleya bowringiana Veit und Laelia anceps Ldl. Jahrb. Wiss. Bot. 77: 657-684. 1933. no.5.

Journ. Amer. Pharm. Assoc. (Easton, Pa.) (396.9Am33J)

Sievers, A. F.

A metal extraction apparatus for phytochemical work. Journ. Amer. Pharm. Assoc. 22:182-184. illus. Mr.1933. no.3.

Smith, F. A. U.

Ammi visnaga. Journ. Amer. Pharm. Assoc. 22:184-187. illus. Mr.1933. no.3.

Preliminary report.

Journ. Bot. (London) (450J82)

Cunningham, J. T. & Reid, D. M.

The dehiscence of the sporocarp and germination of the spores in Marsilia polycarpa Hooker & Greville. Journ. Bot. 71: 64-68. illus. Mr. 1933. no.843.

Journ. Bot. (cont.)

Drabble, E.

The genus Crepis in Great Britain. II. Journ. Bot. 71: 57-63. Mr.1933. no.843.

Mr. John Gossweiler's plants from Angola and Portuguese Congo. Journ. Bot. Suppl. to v.71. p.237-243. Mr.1933. no.843. Index to Dicotyledones: Polypetalae.

Novitates africanae. (cont.) Journ. Bot. 71: 69-73. Mr. 1933. no.843.

Journ. Dept. Agr. So. Australia (Adelaide) (23So84)

Griffiths, R. L.

Take-all. Incidence and control on the lighter soils of the Mallee. Journ. Dept. Agr. So. Australia. 36: 774-778. F.15, 1933. no.7.

Samuel, G.

Summary of plant disease records in South Australia for the two years ending June 30th, 1932. (cont.) Journ. Dept. Agr. So. Australia 36: 300-301. O.15, 1932. no.3.

Scott, R. C.

Wheat varieties in South Australia. Journ. Dept. Agr. So. Australia 36: 266-275. O.15, 1932. no.3.

Journ. Dept. Agr. Porto Rico. (Rio Piedras) (8P832J)

Cook, W.R.I.

On the life-history and systematic position of the organisms causing dry top rot of sugar cane. Journ. Dept. Agr. Porto Rico 16: 409-418. illus., pl. liii-lv. O.1932. no.4.

Author finds that organism called Plasmodiophora or Ligniera vascularum, has no relationship with Plasmodiophoraceae, but belongs to the Rhizopoda. He forms new genus Amoebosporus with two species, A. vascularum and A. saccharinum.

Picado, C.

Fusarium disease of coffee in Costa Rica. Journ. Dept. Agr. Porto Rico. 16: 389-400. pl. xlix-lii. O.1932. no.4.

F. anisophilum n.sp., and its perfect form, Nectria anisophila n.sp.

Journ. East Africa & Uganda Nat. Hist. Soc. (410.9Ea72)

Fishlock, C.W.L. & Hancock, G.L.R.

Notes on the flora of Ruwenzori with special reference to the Bujuku valley. Journ. East. Africa & Uganda Nat. Hist. Soc. 44(Ja.1932): 205-229. 12 pl. Ja.1933.

Journ. Elisha Mitchell Sci. Soc. (Chapel Hill, N.C.) (50E14)
Lewis, I.F., Zirkle, C. & Patrick, R.
Algae of Charlottesville and vicinity. Journ. Elisha Mitchell Sci. Soc. 48: 207-222. pl.16. Ap.1933. no.2.

Journ. For. (Washington, D.C.) (99.8F768)
Tehon, L. R., & Jacks, W.R.
Smooth patch, a bark lesion of white oak. Journ. Bot. 31: 430-433. illus. Ap.1933. no.4.

A pathological bark lesion, tho saprophytic it indirectly affects the health of the trees. The fungus is Aleurodiscus oakesii.

Journ. Imp. Agr.Exp.Stat. Nishigahara, Tokyo (107.6N63J)
Kimura, J.
Further studies on the specific traits of rice in regard to its nutritive behavior in solution culture. Journ. Imp. Agr. Exp. Stat. Nishighara, Tokyo 2: 1-32. Mr.1933. no.1.

Japanese with English résumé: p.30-32.

Tasugi, H. & Kumazawa, M.
Phytophthora blight of peony. Journ. Imp. Agr. Exp. Stat. Nishigahara, Tokyo 2: 75-96. pl. ii-iv. Mr.1933. no.1.

Studies on Japanese Peronosporales. I.

Japanese with English résumé: p.94-96.

U, N. & Nagamatsu, T.
On the difference between Brassica campestris L. and B. napus L. in regard to fertility and natural crossing. Journ. Imp. Agr. Exp. Stat. Nishigahara, Tokyo 2: 113-128. pl.vii. Mr. 1933. no.1.

Japanese with English résumé: p.127-128.

Journ. Jamaica Agr.Soc.(Kingston) (8J832)
Smith, F.E.V.
Some diseases of tomatoes in Jamaica. I. Journ. Jamaica Agr. Soc. 37: 131-135. Mr.1933. no.3.

Journ. Min. Agr. Gt. Brit. (10G79J)
Plant injury following the burning of sulphur in vacant glasshouses. Journ. Min. Agr. Gt. Brit. 39: 1085-1087. Mr.1933. no.12.

Note communicated by W.H. Read and O.B. Orchard, Exp. Stat., Cheshunt.

Injury due to zinc sulphate.

Smith, K. M.
Spotted wilt: an important virus disease of the tomato. Journ. Min. Agr. Gt. Brit. 39: 1097-1103. 3 pl. on 2 (1 col.) Mr.1933.no.12.

Journ.Pomol. & Hort. Sci. (London) (80J825)

Harris, R.V.

The strawberry yellow-edge disease. Journ. Pomol. & Hort. Sci. 11: 56-76. 4 pl. on 2. Mr. 1933. no.1.

Rogers, W. S.

Root studies. III. Pear, gooseberry and black currant root systems under different soil fertility conditions, with some observations on root stock and scion effect in pears. Journ. Pomol. & Hort. Sci. 11: 1-18. illus.vi pl. on 3. Mr.1933. no.1.

Kakteenk. Deut.Kakteen-Ges. (451D482)

Bödeker, F.

Mammillaria halbingeri Böd., sp.n. Kakteenk. Deut.Kakteen-Ges. 1933: 9-10. illus. Ja.1933. no.1.

Bödeker, F.

Mammillaria missouriensis Sweet, Mammillaria nutallii Eng. und Coryphantha (Neobesseya) notesteinii Britton. Kakteenk. Deut. Kakteen-Ges. 1933: 34-36. illus. F.1933. no.2.

Dinter, K.

Lithops elisabethae Dtr. n.sp. Kakteenk. Deut. Kakteen-Ges. 1933: 50. Mr. 1933. no.3.

Kayser, K.

Astrophytenhybriden. Kakteenk. Deut. Kakteenk. Ges. 1933: 22-23. illus. F.1933. no.2.

Kayser, K.

Echinocts. (Astroph.) capricornis niveus var. n. Kakteenk. Deut.Kakteen-Ges. 1933: 31-32. illus. F.1933. no.2.

Tischer, A.

Einige neue Mesembrianthema. Kakteenk. Deut. Kakteen-Ges. 1933: 47-49. illus. Mr.1933. no.3.

Conophytum ernianum, Juttadinteria decumbens, Lithops lactea, n.spp.

Weingart, W.

Cereus maculatus spec.nov. Kakteenk. Deut. Kakteen-Ges. 1933: 14-15. illus. Ja. 1933. no.1.

Wettstein, R.von

Die bildung von assimilationsorganen bei kakteen und die erscheinung der irreversibilität. Kakteenk. Deut. Kakteen-Ges. 1933: 11-13. Ja.1933. no.1.

Landbouwk. Tijdschr. Maandbl. Nederl. Genootsch. Landbouwwetensch. (Amsterdam) (105.20r3)

Clercq, S.W.. de.

Eenige waarnemingen over de vergelingsziekte der bieten. Landbouwk. Tijdschr. Meendbl. Nederl. Genootsch. Landbouwwetensch. 45: 143-146. Mr.1932. no.543.

Meijers, P. G.

Een enquête over het optreden van de voetziekte van de tarwe in Groningen (1932). Landbouwk. Tijdschr. Maandbl. Nederl. Genootsch. Landbouwwetsch. 45: 117-128. Mr.1933. no.543.

Lingnan Sci. Journ. (Canton, China) (22.5C16)

McClure, F. A.

Tree cotton cloth in Hainan. Lingnan Sci. Journ. 12: 129-132. illus. F.2, 1933. no.1.

Gossampinus malabarica.

Metcalf, F. P.

Notes on Fang's Chinese Aceraceae. Lingnan Sci. Journ. 12: 135-136. F.2, 1933. no.1.

Tseng, G.K.

Gloiopeltis and the other economic seaweeds of Amoy, China. Lingnan Sci. Journ. 12: 43-63. pl. 2-3. F.2,1933. no.1.

Medd. Stat. Centr.Frökontr. Sweden. (61.9Sw3)

Gadd, I.

Undersökningar rörande förhållandet mellan grobarheten på laboratoriet och uppkomsten på fältet. Försök med stråsäd. (Untersuchungen über die korrelationsverhältnisse zwischen keimfähigkeit auf dem laboratorium und auflauf auf dem felde. Versuche mit getreide). Medd. Stat. Centr. Frökontr. Sweden no.7: 87-133. 1932.

German summary: p.100-101.

Meded. Deli Proefst. Medan, Sumatra. (109.5D37)

Jochems, S. C. J.

Ziekten der tabak. Overzicht van de ziekten en plagen der Delitabak in het jaar 1932. A. Meded. Deli Proefst. Medan, Sumatra II, no.83: 3-21. 1933.

Meded. Inst. Plantenz. Dept. Landb. &c.Nederl. Ind. (Batavia) (464.9Ea72)

Leefmans, S.

Ziekten en plagen der cultuurgewassen in Nederlandsch Oost-Indië in 1930. Meded. Inst. Plantenz. Dep. Landb. Nederl.-Ind. no.81. 84 p. 1933.

Meded. Nederl. Mycol. Ver. (Wageningen) (451N282)

Donk, M. A.

Revisie van de nederlandse Heterobasidiomycetae (uitgez. Uredinales en Ustilaginales) en Homobasidiomycetae-Aphyllophoraceae. I. Meded. Nederl. Mycol. Ver. 18/20: 67-200. illus. Jl.1931.

Meulenhoff, J. S.

In memoriam, Catharina Cool. Meded. Nederl. Mycol. Ver. 18/20: 19-21. port. Jl.1931.

Missouri Bot. Gard. Bull. (St.Louis) (89M69B)

Pring, G. H.

Water-lilies. Missouri Bot. Gard. Bull. 21: 49-54. Mr.1933. no.3.

Mycologia (450M99)

Bechtel, A. R.

The lifting power of a mushroom. Mycologia 25: 150. illus. Mr./Ap. 1933. no.2.

Agaricus arvensis pushing up through asphalt pavement.

Dodge, B. O.

The perithecium and ascus of Penicillium. Mycologia 25: 90-104. illus., pl. 18-19. Mr./Ap. 1933. no.2.

P. brefeldianum n.sp.

Garrett, A. O.

Urocystis heucherae sp.nov. Mycologia 25: 151. Mr./Ap.1933. no.2.

Greene, H. C.

Variation in single spore cultures of Aspergillus fischeri. Mycologia 25: 117-138. illus. Mr./Ap.1933. no.2.

Linder, D. H.

Tremella gangliformis, a new and unique tremellaceous fungus. Mycologia 25: 105-108. illus. Mr./Ap.1933. no.2.

Mycologia. (cont.)

Muskatblit, E.

Observations on Epidermophyton rubrum or Trichophyton purpureum. Mycologia 25: 109-116. illus. Mr./Ap.1933. no.2.

Seaver, F. J.

Dermea and Pezicula. Mycologia 25:139-149. illus., pl.20-23. Mr./Ap.1933. no.2.

P. spiculata n.sp.

Weston, W. H.

Roland Thaxter. Mycologia 25: 69-89. pl.16-17(port.) Mr./Ap.1932. no.2.

Nature (London) (472N21)

Fisher, R. A.

Number of Mendelian factors in quantitative inheritance. Nature 131: 400-401. Mr.18, 1933. no.3307

Navashin, M.

Origin of spontaneous mutations. Nature 131: 436. Mr.25,1933. no.3308.

Experiments with seeds of Crepis tectorum.

Rayner, M. C.

Mycorrhiza in the genus Citrus. Nature 131: 399-400. Mr.18, 1933. no.3307.

Weston, W.A.R.D.

Sporulation of Helminthosporium avenae in artificial culture. Nature 131: 435. Mr.25, 1933. no.3308.

New Jersey State Hort. Soc. News. (81N46)

McLean, H.C. & Weber, A.L.

The results of spray residue studies on vegetables in 1932. New Jersey State Hort. Soc. News 14: 490, 491. Mr.1933. no.3.

Abstract of a paper presented at the Trenton meeting of the Society in January 1933.

New Zeal. Journ. Agr. (Wellington) (23N48J)

Aston, B.C.

The chemistry of weed-killers. New Zeal. Journ. Agr. 46: 108-109. F.20, 1933. no.2.

New Zeal. Journ. Sci. & Techn. (Wellington) (514N48)

Hadfield, J.W. & Calder, R.A.

Smooth seeds arising in dimpled varieties of Marrowfat peas. New Zeal. Journ. Sci. & Techn. 14: 210-219. illus. F.1933. no.4.

More a matter of environment than genetics.

New Zeal. Journ. Sci. & Techn. (cont.)

Parham, B. E.

New Zealand beech timbers: their structure and identification. New Zeal. Journ. Sci. & Techn. 14: 233-240. illus. F.1933. no.4.

Papers Mich. Acad. Sci.

Angell, V. C.

The Crataegi of Grand Rapids, Michigan, and vicinity. Papers Mich. Acad. Sci. 17: 1-50. illus., pl.i-ix. 1932.

Arnold, C. A.

Fossil plants from the Pocono (Oswayo) sandstone of Pennsylvania. Papers Mich. Acad. Sci. 17: 51-56. illus., pl.x. 1932.

Baxter, D. V.

Some resupinate polypores from the region of the Great Lakes. IV. Papers Mich. Acad. Sci. 17: 421-439. pl. xli-l. 1932.

Coburn, H., Dean, D. & Grant, G.M.

An ecological study of Bryant's Bog, Cheboygan county, Michigan. Papers Mich. Acad. Sci. 17: 57-65. illus., pl.xi. 1932.

Cochran, L. C. & Nelson, R.

Observations on the distribution and flowering of certain Lemnaceae in Michigan. Papers Mich. Acad. Sci. 17: 67-68. pl. xii. 1932.

Evans, A. W.

Some representative species of Bazzania from Sumatra. Papers Mich. Acad. Sci. 17: 69-118. pl. xiii-xvii. 1932.

B. fuscescens, B. subserrulata n.spp.

Gilmore, M. R.

Some Chippewa uses of plants. Papers Mich. Acad. Sci. 17: 119-143. 1932.

Gleason, H. A.

Notes on a collection of Melastomataceae from Central America. Papers Mich. Acad. Sci. 17: 145-152. pl.xix-xxii. 1932.

Acisanthera bartlettii, Pterolepis stenophylla n.spp.

Papers Mich. Acad. Sci. (cont.)

Kauffman, C.H. & Smith, A. H.
Agarics collected in the vicinity of Rock River, Michigan, in 1929. Papers Mich. Acad. Sci. 17: 153-200. pl. xxiii-xxxiii. 1932.
Includes a number of new species.

La Rue, C.D.
Bark thickness of some Michigan trees. Papers Mich. Acad. Sci. 17: 201-227. 1932.

Lohman, M. L.
Hysteriaceae: Life-histories of certain species. Papers Mich. Acad. Sci. 17: 229-288. illus., pl. xxxiv-xxxv. 1932.
Mytilidion resinicola, Hysterographium minutum, Gloniopsis brevisaccata, n. spp.

Mains, E. B.
Host specialization in the leaf rust of grasses, Puccinia rubigo-vera. Papers Mich. Acad. Sci. 17: 289-394. 1932.

Taylor, W. R.
Notes on algae from the tropical Atlantic ocean. II. Papers Mich. Acad. Sci. 17: 395-407. pl. xxxvi. 1932.

Veatch, J. O.
Some relationships between water plants and water soils in Michigan. Papers Mich. Acad. Sci. 17: 409-413. pl. xxxvii-xxxviii. 1932.

Woodcock, E. F.
Seed studies in Cyclamen persicum Mill. Papers Mich. Acad. Sci. 17: 415-420. pl. xxxix-xl. 1932.

Perfum. & Essent. Oil Rec. (London) (308.8P41)

Freise, F. W.
Brazilian species of Chenopodium yielding essential oil. Perfum. & Essent. Oil Rec. 24: 88. Mr.1933. no.3.

Philipp. Journ. Sci. (Manila) (475P53)

Alston, A.H.G.
Certain ferns in Sir James Smith's Herbarium. Philipp. Journ. Sci. 50: 175-183. pl. F.1933. no.2.

Proc. Leeds Phil. & Lit. Soc. Sci. Sect. (501L51)

Cockerham, G.
Variations in the total nitrogen content of normal and leaf-roll potatoes. Proc. Leeds Phil. & Lit. Soc. Sci. Sect. 2: 375-382. Ja.1933. no.8.

Proc. Leeds Phil. & Lit. Soc. Sci. Sect. (cont.)
Priestley, J.H., Scott, L. I. & Malins, M.E.
A new method of studying cambial activity. Proc. Leeds Phil. & Lit. Soc. Sci. Sect. 2: 365-374. illus., pl. Ja.1933. no.8.

Proc. Nat. Acad.Sci. (500N21P)
Douglass, A. E.
Evidences of cycles in tree ring records. Proc. Nat. Acad. Sci. 19:350-360. 5 pl. Mr. 1933. no.3.

Progr. Agr. & Vitic. (Montpellier) (14P94)
Armet, H.
Maturité des raisins et mildiou de la vigne. Progr. Agr. & Vitic. 99: 227-233. Mr.5, 1933. no.10.

Ravaz, L.
Le mildiou (cont.) Progr. Agr. & Vitic. 99: 221-227. Mr.5, 1933. no.10.

Rep. Dir. Vet. Serv. Dept. Agr. So. Africa (Pretoria) (41.9So8V)
Rimington, C.
Isolation and chemical examination of the poisonous principles of Dimorphotheca spectabilis Schltr. and Dimorphotheca zeyheri Sond. Rep. Dir. Vet. Serv. Dept. Agr. So. Africa 18(2): 955-972. illus. 1932.

Steyn, D. G.
A study of the factors concerned in the determination of the toxicity of Cotyledon orbiculata L. Rep. Dir. Vet. Serv. Dept. Agr. So. Africa 18(2): 899-938. illus. 1932.

Rep. Mass. Fruit Grow. Assoc. (81M384)
Guba, E.F. & Boyd, O. C.
Fruit diseases in 1932. Rep. Mass. Fruit Grow. Assoc. 39(1933): 175-177. 1933.

Rev. Bot. Appl. (Paris) (26R323)
Chevalier, A.
L'avenir des plantes à caoutchouc autres que l'Hevea. Rev. Bot. Appl. 13: 130-131. F. 1933. no.138.

Dufrénoy, J.
Ecologie du tabac. Rev. Bot. Appl. 13: 114-123. F.1933. no.138.

Rev. Bot. Appl. (cont.)

Galy-Carles, J.

Etat actuel de la culture du cotonnier au Soudan Anglo-Egyptien. (cont.) Rev. Bot. Appl. 13: 123-129. F.1933. no.138.

Miège, E.

Toxicité des sorghos. Rev. Bot. Appl. 13: 105-113. F.1933. no.138.

Roberty, G.

Notes au sujet de l'alfa et de quelques plantes affines. III. Act. Compt. Rend. Assoc. Colon.-Sci. 9: 31-37. F.1933. no.92. (With Rev. Bot. Appl. v.13, no.138)

Rev. Path. Vég. & Entom. Agr. (Paris) (464.9Sol.)

Anres, M. & Joessel, P.H.

Observations sur l'apparition et le développement du Monilia de l'abricotier en 1931 et 1932 dans les communes de Saint-Hyppolite, Caromb et le Barroux (Vaucluse). Méthode de lutte employée et résultats obtenus. Rev. Path. Vég. & Entom. Agr. 19: 248-252. O./D. 1932. no.8/10.

Bouriquet, G.

Les maladies du manioc à Madagascar. Rev. Path. Vég. & Entom. Agr. 19: 290-297. pl. xi. O./D. 1932. no.8/10.

Dusseau, A.

Sur le comportement de Triticum haplodurum et des formes issues du même croisement vis-à-vis des différentes maladies du blé manifestées en 1932. Rev. Path. Vég. & Entom. Agr. 19: 236-237. O./D. 1932. no.8/10.

Foex, E.

Le professeur Arthur de Jaczewski (3 novembre 1863- 12 février 1932). Rev. Path. Vég. & Entom. Agr. 19: 230-236. pl. vii (port.) O./D.1932. no.8/10.

Joessel, P. H. & Anres, M.

Résultats des essais de traitement contre le Coryneum de l'abricotier dans la région du Barroux (Vaucluse) au cours des années 1931 et 1932. Rev. Path.Vég. & Entom. Agr. 19: 253-255. pl. ix. O./D. 1932. no.8/10.

Viennot-Bourgin, G.

Le comportement de quelques variétés de blé à l'égard du froid. Rev. Path. Vég. & Entom. Agr. 19: 238-247. pl.viii. O./D.1932. no.8/10.

Rev. Path. Vég. & Entom. Agr. (cont.)
Viennot-Bourgin, G.
Essais sur la carie du blé en 1932. Rev. Path. Vég. & Entom. Agr. 19: 257-284. illus., pl. x. O./D. 1932. no.8/10.

Rev. Zool. et Bot. Afr. (410R326)
Duchesne, Fl.
La structure du bois de l'arbre à vernis (Kela). Rev. Zool. et Bot. Afr. 23: 46-51. illus. D.30, 1932. no.1.
Daniellia oliveri.

Hutchinson, J. & Burtt, B.L.
New Compositae from Central Africa in the Congo museum. Rev. Zool. et Bot. Afr. 23: 36-42. D.30, 1932. no.1.

Riv. Biol. (Milan) (442.8R52)
Leonardi, P.
Contributo allo studio dell'azione del manganese nella vita vegetale. Riv. Biol. 14: 469-492. illus. S./D. 1932. no.5/6.

Romagna Agr. e Zootecn. (Ravenna) (16R66)
Solaroli, V.
Ricerche intorno al Graphium ulmi. Romagna Agr. e Zootecn. 27: 33-47. F.1933. no.2.

Rubber Res. Scheme, Ceylon, Quart. Circ. (78.9C33Q)
Murray, R.K.S.
Importation of rubber budwood and budded stumps. Rubber Res. Scheme, Ceylon, Quart. Circ. 9: 37-42. D.1932. no.3/4.

O'Brien, T.E.H.
Alternative forms of raw rubber. Rubber Res. Scheme, Ceylon, Quart. Circ. 9: 29-36. D.1932. no.3/4.

Pieris, W. I.
Notes on the after-treatment of budded rubber stocks. Rubber Res. Scheme, Ceylon, Quart. Circ. 9: 43-49. illus. D.1932. no.3/4.

Science. (470Sci2)
Clark, E. P.
The occurrence of rotenone and related compounds in the roots of Cracca virginiana. Science 77: 311-312. Mr.24, 1933. no.1995.

Science. (cont.)

Eggleston, W. W.
Timothy E. Wilcox. Science 77: 300. Mr.24, 1933. no.1995.

Jeffrey, E. C.
Maturation divisions in Tradescantia, Rheo and Oenothera. Science 77: 325-326. Mr.31, 1933. no.1996.

Snyder, W. C.
A new vascular Fusarium disease of peas. Science 77: 327. Mr.31, 1933. no.1996.
Tentatively referred to as "near-wilt", Fusarium orthoceras var. pisi.

Stout, A. B.
New hardy seedless grapes. Science 77: 310-311. Mr.24,1933. no.1995.

Sci. Rep. Tôhuku Imp. Univ., 4. ser. (Biol. (Sendai) (513T574Ab)

Tahara, M.
Chromosome morphology in Smilacina japonica. Sci. Rep. Tohoku Imp. Univ.,4 ser.(Biol.) 8: 33-37. illus. F.1933. no.1.

Scient. Month. (470Sci23)

Cook, M. T.
Virus diseases of plants. Scient. Month. 36:355-359. Ap. 1933. no.4.

Sierra Club Bull. (San Francisco) (500Sa53)

Bennett, C. K.
The largest juniper? Sierra Club Bull. 18: 115-116. pl.xxxi. F.1933. no.1.
J. occidentalis, in Stanislaus national forest, Tuolumne Co.

Jepson, W. L.
The cypresses of Monterey. Sierra Club Bull. 18:64-67. F.1933. no.1.

Jepson, W. L.
Scientific and vernacular names for the species Sequoia. Sierra Club Bull. 18: 116-118. F.1933. no.1.

Silva Fennica (Helsinki) (99.9F497)
Kangas, E.
Tutkimuksia kaasutuhoista Imatran Valtionpuistossa. (Untersuchungen über die rauchschäden im Imatra-Staatspark). Silva Fennica no.23. 36 p. 2 pl. map, 1932.
German summary: p.32-34.

Tikka, P. S.
Metsäpatologisen tutkimuksen tehtävistä Suomessa.(Ueber die aufgaben der forschung auf dem gebiet der pathologie der waldbäume in Suomi). Silva Fennica no.24. 24 p. 1932.
German summary: p.24.

So. African Gard.(Johannesburg) (80So87)
Bolus, L.
Plants new or noteworthy. South African plants cultivated at the National botanic gardens, Kirstenbosch. (cont.) So. African Gard. 23: 61, 71. illus. Mr.1933. no.3.
Ornithogalum hermannii, O. ranunculoides, O. brownleei, O. richardii n.spp.

Stain Techn. (442.8St1)
Graham, R.
Preparation of palaeobotanical sections by the peel method. Stain Techn. 8: 65-68. Ap.1933. no.2.

Snyder, J. C.
Apparatus for the simultaneous handling of numerous histological specimens. Stain Techn. 8: 61-63. illus. Ap.1933. no.2.

Das Superphosphat. (Berlin)
Eichinger, A.
Kartoffelschorf und düngung. III. Das Superphosphat 9:2-10. illus. F.1933. no.1.

Sveriges Pomol. För. Arsskr. (86Sv2)
Dahl, C. G.
Silverglanssjuka hos fruktträd och dess orsak, Stereum purpureum. Sveriges Pomol. För. Årsskr. 1933: 53-55. 1933. no.1.

Hermelin, S. A.
Aro edra körsbärsträd angripna av bladbränna? Sveriges Pomol. För. Årsskr. 1933: 52-53. illus. 1933. no.1.

Sveriges Pomol. För. Årsskr. (cont.)
Johansson, E.
Besprutnings- och bestoftningsförsök med fruktträd. Sveriges Pomol. För. Årsskr. 1933:1-14. 1933. no.1.
English summary: p.12-13.

Sver. Utsädesför. Tidskr. (Svalöf) (61.9Sv23)
Tedin, O. & Gärsner, A.
Undersökningar över grobarheten hos frostskadat havreutsäde. (Studies on the germination of frost-damaged oats-seed). Sver. Utsädesför. Tidskr. 43:40-64. 1933. no.1.
English summary: p.61-64.

Trop. Agriculture West Indies. (Trinidad) (26T754)
Sir Daniel Morris, K.C.M.G. Trop. Agriculture West Indies 10: 89-90. Ap.1933. no.4.

Trudy Prikl. Bot., Gen. i Selek. Ser. II, Gen., Selek. i Tsitol. Rast. (Bull. Appl. Bot., Gen. & Plant-breed. II. Ser., Gen., Plant Breed. & Cytol.) (451R92Ge)
Astrov, A. V.
Materialy k kharakteristike stroenii͡a steblia raznovidnosteĭ guai͡uly (Materials for the characteristics of the stem structure in varieties of guayule). Trudy Prikl. Bot., Gen. i Selek. Ser. II, Gen. Selek. i Tsitol. Rast. (Bull. Appl. Bot., Gen. & Plant-breed. II. Ser., Gen. Plant Breed. & Cytol. Gen. & Plant-breed. II. Ser., Gen. Plant Breed. & Cytol.) 3:189-209. illus. 1932.
Russian with English summary.

Chernetskaja, Z. S.
Sukhai͡a gnil (fuzarios) pochatkov kukuruzy v predgornoĭ polose S. Kavkaza (Dry rot (fusariose) of corn in the foothill region of the northern Caucasus). Trudy Prikl. Bot., Gen. i Selek. Ser. II, Gen., Selek. i Tsitol. Rast. (Bull. Appl. Bot., Gen. & Plant-breed. Ser. Gen., Pl. Breed. & Cytol.) 3: 3-61. illus., col.pl. 1932.
Russian with English summary.

Suvorov, V. V.
K selektsii donnika (A contribution to the breeding of sweet clover). Trudy Prikl. Bot., Gen. i Selek. Ser. II, Gen., Selek. i Tsitol. Rast. (Bull. Appl. Bot., Gen. & Plant-breed. II. Ser., Gen. Pl. Breed. & Cytol.) 3: 299-322. illus. 1932.
Russian with English summary.

Trudy Prikl. Bot., Gen. i Selek. Ser. II, Gen., Selek. i Tsitol. Rast. (Bull. Appl. Bot., Gen. & Plant-breed. II. Ser., Gen. Plant Breed. & Cytol.) (cont.)

Zhelnina, A. V.

Materialy k metodike selektsii shvedskogo klevera (On the methodics of breeding Alsike clover) Trudy Prikl. Bot., Gen. i Selek. Ser. II, Gen., Selek. i Tsitol. Rast.(Bull. Appl. Bot., Gen. & Plant-breed. II. Ser. Gen. Pl. Breed. & Cytol.) 3: 63-117. illus. 1932.

Russian with English summary.

Trudy Prikl. Bot., Gen. i Selek. Ser. IX, Tekhn. Kul't. (Bull. Appl. Bot., Gen. & Plant-breed. IX. Ser. Techn. Plants)(451R92T)

Hiltebrandt. V. M.

Kunzhut, Sesamum indicum L. Trudy Prikl. Bot., Gen. i Selek. Ser. IX, Tekhn. Kul't. (Bull. Appl. Bot., Gen. & Plant-breed. IX.Ser. Techn. Plants) 2: 3-114. illus., fold.tab. 1932.

Russian with English summary.

Die Umschau (Frankfurt) (474Um7)

Klinkowski, M.

Der kartoffelabbau und seine diagnose. Die Umschau 37: 198-202. illus. Mr.11, 1933. no.11.

U.S. Dept. Agr. Plant Dis.Rep. (1.9P69P)

U.S.Dept. of agriculture- Bur. of plant industry, Office of mycology and disease survey.

Diseases of plants in the United States in 1931. U.S. Dept. Agr. Plant Dis. Rep. Suppl. 84. 65 p. Mr.15, 1933.

Compiled by P.M. Miller, N.E.Stevens & J.I. Wood.

U.S. Dept. Agr. Techn. Bull. (1Ag84Te).

Bateman, E.

The effect of concentration on the toxicity of chemicals to living organisms. U.S.Dept. Agr. Techn. Bull. 346. 53 p. Mr.1933 (Rec'd Ap.1)

Experiments with Fomes annosus.

Univ. Calif. Publ. Bot.(Berkeley) (500C125B)

Condit, I. J.

Cytological and morphological studies in the genus Ficus. II. Chromosome number and morphology in thirty-one species. Univ. Calif. Publ. Bot. 17: 61-74. illus. 1933. no.4.

Univ. Colorado Stud. (Boulder) (500C715)
Ramaley, F.
A working bibliography of day-length and artificial illumination as affecting growth of seed plants. Univ.Colorado Stud. 20: 257-263. Mr.1933. no.2/3.

Verslag. Landb. Onderz. Rijkslandbouwproefst. (105.2V61V)
Goedewaagen, M.A.J.
De groei van het wortelstelsel der planten bij gelijke en bij ongelijke vruchtbaarheid van boven- en ondergrond. Verslag Landb. Onderz. Rijkslandbouwproefst. 1932(38,A): 179-199. 3 pl.

Vict. Nat. (Melbourne) (410V66)
Nicholls, W. H.
A new sun-orchid. Vict. Nat. 49:262-63. illus. Mr.1933. no.11.
Thelymitra holmesii.

Rupp, H. M. R.
Notes on certain species of Caledenia. Vict. Nat. 49:259-261. illus. Mr.1933. no.11.

Zeitschr. Pilzk. (Leipzig) (450Z352)
Arndt, A.
Der kiefernrindenblasenrost (Peridermium pini). Zeitschr. Pilzk. 16(n.s.11 i.e.12): 9-10. Mr. 1933. no.1.

Reinhardt, O.
Clathrus cancellatus, der rote gitterling. Zeitschr. Pilzk. 16(n.s.11 i.e.12): 22-23. illus. Mr.1933. no.1.

Exp. Stat. Publ.
Cook. H. T.
Studies on the downy mildew of onions, and the causal organism, Peronospora destructor (Berk.) Caspary. Cornell Agr. Exp. Stat. Mem.143. 40 p. illus. D.1932 (Recd Mar.1933)(100N48C)

Indiana agricultural experiment station.
Dept. of botany. In Its Rep. Director 45(1931/32): 25-29. illus. [1933?] (100In2P)
R.W. Sampson in charge.

Exp. Stat. Publ. (cont.)

Halligan, C. P.
The rock garden. Michigan Agr. Exp.Stat. Spec. Bull. 228. 82 p. illus. Ja.1933 (100M58S)

Hill, D.D. & Barss, H.P.
Seed treatment of small grains. Oregon Agr. Exp. Stat. Circ. Inform. 85. 2 p. F.1933. (100Or3C)

McWhorter, F.P. & Bouquet, A.G.B.
Suggestions for the control of tomato mosaic and streak. Oregon Agr. Exp. Stat.Circ.Inform. 84. 4 p. F.1933 (100Or3C)

New Books.

Antevs, E.
Alpine zone of Mt. Washington range. Auburn, Me., Merrill & Webber co., 1932 (409An8)

Ashton, R. E.
Plants of Rocky Mountain national park. Washington, D. C., Gov't printing office, 1933. (455.83As3)

Boysen Jensen, P.
Die stoffproduktion der pflanzen. Jena, G. Fischer 1932 (463.34B69)

Henslow, T. G. W.
Gardens of fragrance. London, F. Warne & co., 1932 (97H39G)

Indian central cotton committee.
The Khandesh cotton breeding scheme, 1926-32. Bombay,1933 (72In25K)
Experiments with Banilla.

Indian central cotton committee.
Physiology of the cotton plant in Sind, with special reference to perennial irrigation. A popular bulletin embodying the results of the work done under the Sind physiological research scheme at Sakrand... (1927-1932). Bombay, 1933 (72In25Ph)

Die natürlichen pflanzenfamilien ... 2. stark. verm. und verb. aufl. hrsg. von A. Engler fortgesetzt von H. Harms. bd. 7a. Gasteromycetese bearb. von E. Fischer. Leipzig, W. Englemann, 1933 (452En3N)

New Books (cont.)

Nehrling, H.

The plant world in Florida. New York, Macmillan co., 1933 (455.53N31)

Nord, F.F. & Weidenhagen, R.

Ergebnisse der enzymforschung. bd.2. Leipzig, Akademische verlagsgesellschaft, 1933. (390E53)

P'ei, C.

The Verbenaceae of China. Shanghai, 1932. (Memoires of the Science society of China. v.1, no.3) (452.3P35)

Sudell, R.

The new illustrated gardening encyclopaedia. New York, Charles Scribner's Sons, 1933. (90Su2)

Translations filed in Library of Bur. of Plant Industry.

Goidánich, G.

La verticilliosi dell'"Acer campestre" L. e alcuni altri casi di tracheomicosi in Italia. (The verticilliosis of Acer campestre L. and some other cases of tracheomycoses). Boll. R. Staz. Patol. Veg. Roma n.s. 12: 205-297. 1932.

Lind, J.

Berberisbusken og berberisloven. (The barberry bush and its law). Tidsskr. Planteavl. 22: 767-780. 1915.

Pöschl, V.

Die deutsche yuccafaser. Eine warenkundliche studie. (The German yucca fiber. A commercial study). Arch. Pflanzenb. (Wiss. Arch. Landw. Abt.A) 9: 573-608. 1932.

BOTANY
CURRENT LITERATURE

LIBRARY
RECEIVED
★ MAY 2 - 1933 ★
U. S. Department of Agriculture

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY,
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C.

Vol. 15, no. 8. Apr.10-22, 1933.

Acta Phytogeogr. Suecica (Upsala) (451Ac82)

Lindquist, B.

Om den vildväxande skogsalmens raser och deras udbredning i Nordvästeuropa (The races of spontaneous Ulmus glabra Huds. and their distribution in northwestern Europe). Acta Phytogeogr. Suecica. no.4. 56 p. illus. 1932.

English summary.

Agr. et Elev. Congo Belge (26Ag84)

Morstatt, H.

Maladies des feuilles de l'Agave sisal. Agr. et Elev. Congo Belge 7: 49-51. illus. Ap.1, 1933. no.5.

Agron. Colon. (Paris) (26Ag812)

Carton, P.

Importance des facteurs écologiques durée du jour et intensité de la lumière en agronomie tropicale. Agron. Colon. 22: 87-91. Mr. 1933. no.183.

Cayla, V.

La canne à sucre et le "sereh" à Java. Agron. Colon. 22: 81-86. Mr.1933. no.183.

Ledreux, A.

La culture des caféiers à Madagascar. (cont.) Agron. Colon. 22: 92-99. Mr.1933. no.183.

Amer. Bot. (Indianapolis, Ind.) (450Am33)

Allen, W. E.

Floating pasturage of the sea. Amer. Bot. 39: 54-61. Ap.1933. no.2.

Clark, F. R.

The roble. Amer. Bot. 39: 81. Ap.1933. no.2.

Tecoma pentaphylla and T. radicans.

Clute, W. N.

The Christmas rose and allies. Amer. Bot. 39: 51-53. illus. Ap.1933. no.2.

Amer. Bot. (cont.)

Clute, W. N.
The meaning of plant names. LIV. The cornels and dogwoods. Amer. Bot. 39: 64-71. Ap.1933. no.2.

Neff, I. J.
Frasera carolinensis. Amer. Bot. 39: 76-77. Ap.1933. no.2.

Spring witch hazel. Amer. Bot. 39: 73-74. Ap.1933. no.2.
Hamamelis vernalis.

Amer. Fern Journ. (450Am35)

Graves, E. W.
Botrychium dissectum from North Michigan. Amer. Fern Journ. 23: 28-30. Ja./Mr.1933. no.1.

House, H. D.
Additions to the fern flora of New York state. Amer. Fern Journ. 23: 1-7. pl.1. Ja./Mr.1933. no.1.

Knight, W. A.
Woodsia scopulina in Tennessee. Amer. Fern Journ. 23: 27-28. Ja./Mr.1933. no.1.

Leeds, A. N.
Is Polypodium vulgare L. var. churchiae Gilbert a Polypodium? Amer. Fern Journ. 23: 8-12. pl.2. Ja./Mr.1933. no.1.
Dryopteris marginalis f. churchiae (P. vulgare churchiae.)

Schaffner, J. H.
Miscellaneous notes on Equisetum. Amer. Fern Journ. 23: 18-20. Ja./Mr. 1933. no.1.

Tanger, L. F. A.
Ferns and fern allies of Lancaster County, Pennsylvania, 1931 and 1932. Amer. Fern Journ. 23: 13-18. Ja./Mr.1933. no.1.

Amer. Potato Journ. (75.8P842)

Potato scab and Rhizoctonia and their control. Amer. Potato Journ. 10: 65-73. Ap.1933. no.4.
Reports from Maine, Nebraska, New York, Ohio and Wisconsin.

Ann. Agron. (Paris) (14An75)

Raucourt, M.

Revue de phytopharmacie. Ann. Agron. 3: 232-249. Mr./Ap.1933. no.2.

Ravaz, L., Dupont, E. & Callaudaux, R.

Recherches sur le rougéau de la vigne. Ann. Agron. 3: 225-231. Mr./Ap.1933. no.2.

Angew. Bot. (Berlin) (450An4)

Müller, K. O.

Bemerkungen zur frage der biologischen spezialisierung von Phytophthora infestans. Angew. Bot. 15: 84-96. Ja./F.1933. no.1.

Ann. Géogr. (Paris) (473An75)

Reverdatto, V. V.

La végétation de la Sibérie d'après un travail récent. Ann. Géogr. 42: 162-174. Mr.15,1933. no.236.

French summary by G. Jorré of author's "Rastitel'nost Sibirskogo kra͡ia", which appeared in Izv. Gosud. Geogr. Obshch. v.63, p.43-70. 1931.

Ann. Rep. Dept. Agr. New Zealand. (23N48)

Cunningham, G. H.

Mycology section. Ann. Rep. Dept. Agr. New Zeal. 1931/32: 42-44. 1932.

Arb. Deut. Landw.-Ges. (Berlin) (18D48)

Knoll, J. G.

Die pflanzenbestandsverhältnisse des süddeutschen grünlandes. I. Die wiesentypen des württembergischen unterlandes. Arb. Deut. Landw.-Ges. no.386. 84 p. 1932.

Arch. Bot. Sist., Fitogeogr. e Gen. (Forli) (450Ar24)

Bargagli-Petrucci, O. & Pampanini, R.

Attraverso la Tripolitiania ed il Fezzan. Arch. Bot. Sist. Fitogeogr. e Gen. 9: 19-53. pl. iii-v. 1933. no.1.

Giacobbe, A.

Sul Pinus austriaca Hoess di Villetta Barrea. Arch. Bot. Sist. Fitogeogr. e Gen. 9: 1-18. illus., pl.i-ii. 1933. no.1.

Morton, F.

Pflanzengeographischen monographie der Quarneroinsel Cherso (cont.). Arch. Bot. Sist. Fitogeogr. e Gen. 9: 54-85. 1933. no.1.

Beih. Bot. Centralbl. Abt.I. (Dresden)(450B65B)

Fritzsche, G.

Untersuchungen über die gewebetemperaturen von strandpflanzen unter dem einflusse der insolation. Beih. Bot. Centralbl. Abt.I. 50: 251-322. Mr. 1933. no.2.

Haitinger, M. & Linsbauer, L.

Die grundlagen der fluoreszenzmikroskopie und ihre anwendung in der botanik. Beih. Bot. Centralbl. 50: 432-444. Mr.1933. no.2.

Hurch, H.

Beiträge zur kenntnis der permeabilitätsverteilung in den verschiedenen geweben des blattes. Beih.Bot. Centralbl. Abt.I. 50: 211-250. illus. Mr. 1933. no.2.

Kreusch, W.

Unter entwicklungsgeschichte und vorkommen des kalziumoxalates in solanaceen. Beih. Bot. Centralbl. Abt.I. 50: 410-431. illus., pl. Mr. 1933. no.2.

Lindinger, L.

Beiträge zur kenntnis der monokotylen. Beih. Bot. Centralbl. 50:445-458. Mr.1933. no.2.

Sprau, F.

Untersuchungen über den aufbau fertiler nerven bei farnen und die verteilung der baustoffe im fertilen blatt. Beih. Bot. Centralbl. Abt.I. 50: 323-409. illus. Mr.1933. no.2.

Bergcultures (Batavia, Java) (22.5B45)

Jong, J. K. de.

Bijdragen tot de anatomie van de theeplant. VII. Bergcultures 7:280-282. illus. Mr.11,1933. no.10.

Better Fruit (Portland,Ore.) (80B46)

Overholser, E. L., Overley, F. L. & Claypool, L.L.

Cork or drought spot in apples or pears. Better Fruit 27:5-6. illus. Ap.1933. no.10.

Blue Anchor (Sacramento) (286.83B62)

Tufts, W. P.

The importance of the rootstock in California pear production. Blue Anchor 10: 4-5, 21. illus. Ap.1933. no.4.

Blumen u. Pflanzenb. (Berlin) (80B623)

Bremer, H.
Zur kräuselkrankheit der pelargonien. Blumen u. Pflanzenb. 48: 32-33. illus. Mr.1,1933. no.3.

Elssmann, E.
Versuche mit niwelke zu schnittblumen. Blumen u. Pflanzenb. 48: 8-9. illus. Ja.1,1933. no.1.

Bol. Patol. Veg. y Entom. Agr. (Madrid) (464.9M26)

Alfaro, A.
Efectos de los ponientes sobre los naranjos. Bol. Patol. Veg. y Entom. Agr. 6: 51-57. D.1932. no.23/26.

Benlloch, M.
La Cercospora de la remolacha. Bol. Patol. Veg. y Entom. Agr. 6: 153-161. illus. D.1932. no.23/26.

Benlloch, M.
La vecería del olivo. Bol. Patol. Veg. y Entom. Agr. 6: 37-43. illus. D.1932. no.23/26.

Cañizo, J. d. & Sardiña, J. R.
La enfermedad de la platanera en el Valle de la Orotava. Bol. Patol. Veg. y Entom. Agr. 6: 1-36. illus. D.1932. no.23/26.

Regueral, F. G.
La foliocelosis o veteado de la hojas del naranjo. Bol. Patol. Veg. y Entom. Agr. 6: 58-68. illus. D.1932. no.23/26.

Sardiña, J. R.
Acerca de la podredumbre verde de las manzanas. Bol. Patol. Veg. y Entom. Agr. 6:44-50. illus. D.1932. no.23/26.

Trabajos de las estaciones de fitopatologia agrícola en el año 1931. Bol. Patol. Veg. y Entom. Agr. 6: 171-178. D.1932. no.23/26.

Bot. Mag. Tokyo (450B651)

Akiyama, S.
Carices of the Aleutian Islands collected by Mr. Y. Kobayashi. Bot. Mag. Tokyo 47: 67-69. Ja.1933. no.553.
Japanese with English résumé: p.68-69.

Bot. Mag. Tokyo (cont.)

Emoto, Y.
Myxomyceten aus dem Kiso-forst. Bot. Mag. Tokyo 47: 64-67. Ja.1933. no.553.
Japanese with German résumé: p.67.

Emoto, Y.
Myxomyceten aus Mexiko. Bot. Mag. Tokyo 47:132-135. F.1933. no.554.

Emoto, Y.
Verbreitung der schwefeloxydierenden bakterien in den thermen Japans. Bot. Mag. Tokyo 47: 6-29. Ja.1933. no.553.

Koidzumi, H.
Taraxacum novum Orientalis-Asiaticum. I- Bot. Mag. Tokyo 47: 89-124. F. 1933. no.554.

Miyoshi, M.
On the disjunctive plant distribution in the Pacific regions from the nature protection point of view. Bot. Mag. Tokyo 47: 85-88. F.1933. no.554.

Nagai, M.
Additional note on the Japanese Saprolegniaceae. (cont.). Bot. Mag. Tokyo 47: 136-137. illus. F.1933. no.554.

Nakai, T.
An observation on the gametophyte of Cheiropleuria bicuspis var. integrifolia. Bot. Mag. Tokyo 47: 1-5. illus. Ja.1933. no.553.

Okunuki, K.
Ueber den gaswechsel des pollens von Lilium auratum, Lindl. Bot. Mag. Tokyo 47: 45-62. Ja. 1933. no.553.
Japanese with German résumé: p.61-62.

Takenaka, Y.
On the irregular meiotic division in the pollen mother-cell of Lilium tigrinum, Ker-Gawl. Bot. Mag. Tokyo 47: 125-131. illus. F.1933. no.554.

Tatuno, S.
Geschlechtschromosomen bei einigen lebermoosen I. Bot. Mag. Tokyo 47: 30-44. illus. Ja.1933. no.553.
Japanese with German résumé: p.44.

Yasui, K.
Genetical studies in Zea mays L. Bot. Mag. Tokyo 47: 138-145. illus. F.1933. no.554.
Japanese.

Botaniste (Paris) (450B657)
Yen-An, F.
Observation sur la présence de centrosomes et d'asters présidant à la caryocinèse dans un genre de caprifoliacées: Lonicera. Botaniste 24:335-352. pl. xxx. F.1933. no.5/6.

Bull. Amer. Iris Soc. (81Am39)
Hume, H. H.
The distribution of iris in Florida. Bull. Amer. Iris Soc. 47: 12-19. illus. Ap.1933.

Bull. Dept. Agr. Bombay (Poona).
Uppal, B.N. & Desai, M.K.
Cumin powdery mildew in Bombay. Bull. Dept. Agr. Bombay 169(1932): 1-16. iv pl. 1933.
Erysiphe polygoni.

Bull. Inst. Roy. Colon. Belge (Bruxelles) (504B836)
Denis,
Contribution à l'étude chimique des Pentaclethra. I. Bull. Inst. Roy. Colon. Belge 3: 639-657. 2 pl. on 1. 1932. no.3.

Bull. Public Mus. Milwaukee (500M64B)
Fuller, A. M.
Studies on the flora of Wisconsin. I. The orchids. Bull. Public Mus. Milwaukee 14: 1-175. illus. (incl. maps) F.23,1933. no.1.

Bull. Soc. Dendrol. France (Paris)(99.9So15)
Hickel, R.
Le pin de montagne de Miller. Bull. Soc. Dendrol. France. 1932: 21-33. My.15, 1932. no.82.
"... Le P. montana de Miller, mal décrit, doit être considére comme nul et non avenu; le nom de P. mughus Scop. doit être réservé au pin rampant, et celui de P. uncinata à la forme dressée"

Hickel, R.
Sur un gisement de végétaux pliocènes dans le Bas-Rhin. Bull. Soc. Dendrol. France 1932: 43-48. illus. Ag.15, 1932. no.83.

Issler, E.
Les espèces du groupe Ribes rubrum L. qui se rencontrent en Europe. Bull. Soc. Dendrol. France 1932: 34-39. My.15, 1932. no.82.

Bull. Soc. Vaud. Sci. Nat.(Lausanne) (508L37)
Aubert, S.
Plantes étrangères introduites par semis à la Vallée de Joux. Bull. Soc. Vaud. Sci. Nat. 57: 593-595. D.31, 1932. no.231.
Introduced by Léopold Piguet of Sentier, who died in Aug.1932.

Bult. Sci. Fak. Terkult. Kjuŝu Imp. Univ. (J107.6K995B)
Takenouchi, M.
Investigations on the relation between plants and their surrounding conditions by the quantitative method V-VII. Bult. Sci. Fak. Terkult. Kiuŝu Imp. Univ. 5:254-263, 273-293, 294-312. F.1933. no.3.
Japanese with English résumé: p.263, 292-293, 312.
V. Measuring of dimention of leaf-intercellular-spaces on several species of plants and its ecological significance. VI. Variation of wavyness in the lateral walls of epidermal cells of leaves of Taraxacum albidum Dahlst as related to meteorological conditions and its practical value as a phytometer.VII. Meaning of the quantitative studies on the structure and the physiological process of special plants from the view-point of forest ecology.

Yoshii, H.
On three species of Alternaria parasitic on cruciferous plants. Bult. Sci. Fak. Terkult. Kjuŝu Imp. Univ. 5: 221-235. illus. F.1933. no.3.
Japanese with English résumé: p.235.
A. brassicae, A. brassicae macrospora, A. herculae.

Yoshii, H.
Pathological studies on watermelon wilt. I. On the mode of infection of the causal fungus, Fusarium niveum, EFS. Bult. Sci. Fak. Terkult. Kjuŝu Imp. Univ. 5: 313-326. illus. F.1933. no.3.

Cactus & Succ. Journ. (Los Angeles) (451C11)
Bogusch, R. C.
A cristate Homalocephala texensis. Cactus & Succ. Journ. 4: 338. illus. Mr.1933. no.9.

Gates, H. E.
Four new species of Ferocactus from Lower California, Mexico. II. Cactus & Succ. Journ. 4: 343-344. illus. Mr.1933. no.9.
F. tortulospinus, F. coloratus.

Cactus & Succ. Journ. (cont.)

Smith, A.

What grows where. Cacti listed in accordance with their geographical origin. Compiled and copyrighted for Mrs. John D. Wright, Santa Barbara, Calif., 1933, II. Cactus & Succ. Journ. 4: 349-351. Mr.1933. no.9.

Walther, E.

Kleinia. Cactus & Succ. Journ. 4: 339-342. illus. Mr.1933. no.9.

La Chimica (Modena) (385C44)

Dragone-Testi, G.

Introduzione allo studio degli alcaloidi. La Chimica 9: 51-60. F.1933. no.2.

China Journ. (Shanghai) (475C44)

Steward, A. N. & Chiao, C. Y.

Recent botanical explorations in Kweichow. (cont.) China Journ. 18: 132-143. 4 pl. Mr.1933. no.3.

Compt. Rend. Acad. Sci. Paris (505P21)

Chaze, J.

Sur la présence de pigments anthocyaniques ou de composés oxyflavoniques dans les grains d'aleurone de certaines graminées. Compt. Rend. Acad. Sci. Paris 196: 952-955. Mr.27, 1933. no.13.

Colin, H. & Augier, J.

Les glucides solubles de Lemanea nodosa Kütz. Compt. Rend. Acad. Sci. Paris 196: 1042-1043. Ap.3, 1933. no.14.

Eftimiu, P.

Sur la présence d'un champignon chez Becegia romanica Radian. Compt. Rend. Acad. Sci. Paris 196: 957-959. Mr.27, 1933. no.13.

"Il est difficile de savoir s'il s'agit d'un mycélium de basidiomycète ou d'un ascomycète".

Fosse, R., Graeve, P.de. & Thomas, P.-E.

Rôle de l'acide allantoiques chez les végétaux supérieurs. Compt. Rend. Acad.Sci. Paris 196: 883-886. Mr.27,1933. no.13.

Acer pseudoplatanus & Phaseolus vulgaris.

Compt. Rend. Acad. Sci. Paris (cont.)

Simonet, M.
Sur le comportement des chromosomes chez quelques hybrides complexes d'Iris. Compt. Rend. Acad. Sci. Paris 196: 955-957. Mr.27, 1933. no.13.

Compt. Rend. Soc. Biol. Paris (442.9P21)

Frémont, T.
Recherches d'anticorps chez les végétaux. Compt. Rend. Soc. Biol. Paris 112: 998-1000. Mr.17, 1933. no.10.

Friedheim, E. A. H.
Sur la fonction respiratoire du pigment rouge de Penicillium phoeniceum. Compt. Rend. Soc. Biol. Paris 112: 1030-1032. Mr.24, 1933. no.11.

Ghimpu, V.
Les nombres chromosomiques de quelques angiospermes cultivées. Compt. Rend. Soc. Biol. Paris 112: 1115-1117. Mr.24, 1933. no.11.

Ghimpu, V.
Sur les maladies a virus de quelques solanées. Compt. Rend. Soc. Biol. Paris 112: 1113-1115. Mr.24, 1933. no.11.

Lenoir, M.
Structure du stigmate adulte du Lilium martagon. Compt. Rend. Soc. Biol. Paris 112: 1079-1081. Mr.24, 1933. no.11.

Solacolu, T. & Welles, Ec.
Mise en évidence des saponines dans les graines de quelques graminées. Compt. Rend. Soc. Biol. Paris. 112: 1007-1009. Mr.17, 1933. no.10.

Current Science (Bangalore) (475Sci23)

Iyengar, A. V. V.
The problem of the lantana. Current Science 1: 266-269. Mr.1933. no.9.

Pande, S. K.
The origin of the archesporium in Notothylas levieri Schiff, MS. Current Science 1: 272. illus. Mr.1933. no.9.

Current Science. (cont.)
Ramiah, K., Parthasarathi, N. & Ramanujam, S.
Haploid plant in rice (Oryza sativa). Current Science 1: 277-278. illus. Mr.1933. no.9.

Singh, T. C. N.
An unusual growth phenomenon in Coleus barbatus Benth. Current Science 1: 273-274. illus. Mr.1933. no.9.

Curt. Bot. Mag. (450C94)
Curt. Bot. Mag. v.156, pt.2. col. pl. 9304-9314. Ap.1, 1933,
Meconopsis grandis, Eriolobus trilobatus, Cistus cripsus, Sigmatostalix radicans, Euonymus nanus, Acacia baileyana, Rhododendron genestierianum, Gentiana prolata, Calceolaria picta, Daphne aurantiaca, Globba winitii.

Empire Cotton Grow, Rev. (London) (72.8Em7)
Butler, E. J.
Cotton diseases. Empire Cotton Grow.Rev. 10: 91-99. Ap.1933. no.2.

Fortschr. Bot. (Berlin) (450F772)
Bünning, E.
Physikalisch-chemische grundlagen der biologischen vorgänge. Fortschr. Bot. 1(1931): 117-132. 1932.

Geitler, L.
Morphologie und entwicklungsgeschichte der zelle. Fortschr. Bot. 1(1931): 1-10. 1932.

Guttenberg, H.v.
Wachstum und bewegungserscheinungen. Fortschr. Bot. 1(1931): 202-221. 1932.

Hirmer, M.
Paläobotanik. Fortschr. Bot. 1(1931): 85-101. 1932.

Höfler, K.
Zellphysiologie und protoplasmatik. Fortischr. Bot. 1(1931): 133-143. illus. 1932.

Huber, B.
Der wasserumsatz in der pflanze. Fortschr. Bot. 1(1931): 144-154. 1932.

Fortschr. Bot. (cont.)

Irmscher, E.
Systematische und genetische pflanzengeographie. Fortschr. Bot. 1(1931): 102-116. 1932.

Mattfeld, J.
Systematik. Fortschr. Bot. 1(1931): 51-84. 1932.

Mothes, K.
Stoffwechsel. I. Allgemeiner stoffwechsel. Fortschr. Bot. 1(1931): 155-176. 1932.

Oehlkers, F.
Entwicklungsphysiologie. Fortschr. Bot. 1(1931): 237-253. 1932.

Oehlkers, F.
Vererbung. Fortschr. Bot. 1(1931): 222-236. 1932.

Rippel, A.
Stoffwechsel. II. Heterotrophe und spezialisten. Fortschr. Bot. 1(1931): 177-188. 1932.

Schlösser, L. A.
Entwicklungsgeschichte und fortpflanzung. Fortschr. Bot. 1(1931): 26-50. 1932.

Schmucker, T.
Oekologie. Fortschr. Bot. 1(1931): 254-263. 1932.

Troll, W.
Morphologie, einschliesslich anatomie. Fortschr. Bot. 1(1931): 11-25. illus. 1932.

Walter, H.
Oekologische pflanzengeographie. Fortschr. Bot. 1(1931): 189-201. 1932.

Fortschr. Landw. (Vienna) (19F77)

Pichler, F.
Der schneeschimmel. Ursachen und abwehr seines auftretens. Fortschr. Landw. 8: 149-153. illus. Ap.1, 1933. no.7.

Gard. Chron. (London) (80G162)
The behavior of garden plants. VII. Iris unguicularis. Gard. Chron. III, 93: 235. Ap.8, 1933. no. 2415.

Buddin, W. & Ware, W. M.
Clitocybe dealbata as an invader of mushroom beds. Gard. Chron. III, 93: 246-248. illus. Ap.8, 1933. no. 2415.

Darnell, A. W.
The genus Androsace (concl.) Gard. Chron. III, 93: 229,244-245. Ap.1,8, 1933. no.2414,2415.

Friend, H.
Herbs and herbalists. III. Ancient modes of divination. Gard. Chron. III, 93: 225-226. illus. Ap.1, 1933. no.2414.

Jacques Leveque de Vilmorin. Gard. Chron. III, 93: 234. Ap.1, 1933. no.2414.
Died Mr.21, 1933.

Ward, F. K.
Mr. F. Kingdon Ward's eleventh expedition in Asia. XXVI. The source of the Adung river. Gard. Chron. III, 93:242-243. illus. Ap.8, 1933. no.2415.

Wormald, H. and Harris, R. V.
Notes on plant diseases in 1932. (concl.) Gard. Chron. III, 93: 228-229. Ap.1, 1933. no.2414.

Gartenz. (Wien) (80W632)
Fischer, R.
Ursachen der dahlienwelke im jahre 1932. Gartenz. (Wien) 1933: 25-27. illus. Mr.1933.

Gentes Herbarum (450B15)
Bailey, L. H.
Certain palms of Panama. In his Gentes Herbarium 3: 33-116. illus. Mr.1933.

Bailey, L. H.
Palms and their characteristics. In his Gentes herbarium. 3: 1-29. illus. Mr.1933.

Helvetica Chim. Acta. (Basel) (385H36)
Karrer, P. & others.
Pflanzenfarbstoffe XLVII-L. Helvetica Chim. Acta 16: 287-292, 292-296, 297-302, 337-338. 1933. no.2.
XLVII. Ueber die isomerieverhältnisse beim bixin. Bemerkungen zu den theorien über die bildung von carotinoidpigmenten in der pflanze. XLVIII. Ueber violanin. XLIX. Synthese des perhydro-crocetins. L. Ueberführung von perhydro-crocetin in perhydro-norbixin.

Hoppe-Seyl. Zeitschr. Phys. Chem. (Berlin) (384Z38)
Brockmann, H.
Die carotinoide der aprikose (Prunus armeniaca). Hoppe-Seyl. Zeitschr. Phys. Chem. 216: 45-48. 1933. no.1/2.

Kögl, F., Erxleben, H. & Haagen-Smit, A. J.
Ueber ein phytohormon der zellstreckung. Zur chemie des krystallisierten auxins. 5. Mitteilung über pflanzliche wachstumsstoffe. Hoppe-Seyl. Zeitschr. Phys. Chem. 216: 31-44. 1933. no.1/2.

Intern. Bull. Plant. Prot. (464.8In8)
Stevens, N. E.
United States of America: Losses due to cranberry false blossom in New Jersey. Intern. Bull. Plant Prot. 7: 53. Mr.1933. no.3.

Jardinage. (Paris) (80J282)
Heim, R.
Black-rot et faux black-rot de la vigne. (cont.) Jardinage 20(172): 30-31. illus. Ap.1933.

Journ. Agr. Res. (Washington, D. C.) (1Ag84J)
Bressman, E. N. & Harris, L. E.
Inheritance in Albit wheat of resistance to bunt, Tilletia tritici. Journ. Agr. Res. 46: 361-365. illus. F.15,1933 (Rec'd Ap.10). no.4.

Journ. Amer. Chem. Soc. (381Am33J)
Jones, H. A.
Rotenone in a species of Spatholobus. Journ. Amer. Chem. Soc. 55: 1737-1738. Ap.1933. no.4.

Journ. Amer. Soc. Agron. (Geneva, N.Y.) (4Am34P)
Gaines, E. F. & Smith, W. K.
Reaction of varieties and hybrids of wheat to physiologic forms of bunt. Journ. Amer. Soc. Agron. 25: 273-284. Ap.1933. no.4.

Journ. Amer. Soc. Agron. (cont.)

Stewart, G.

Some effects of inbreeding in sugar beets. Journ. Amer. Soc. Agron. 25: 237-258. illus. Ap.1933. no.4.

Journ. Biol. Chem. (Baltimore) (381J824)

Link, K. P. & Walker, J. C.

The isolation of catechol from pigmented onion scales and its significance in relation to disease resistance in onions. Journ. Biol. Chem. 100: 379-383. Ap.1933. no.2.

Journ. Fac. Agr. Hokkaido Imp. Univ. Sapporo (107.6J273J)

Tatewaki, M.

The phytogeography of the Middle Kuriles. Journ. Fac. Agr. Hokkaido Imp. Univ. Sapporo 29: 191-363. vii pl. Ja.1933. no.5.

Journ. Hered. (Washington) (442.8Am3)

Allyn, R. S.

Plant patent queries. Journ. Hered. 24:55-58. F.1933. no.2.

A patent attorney's views on the law.

Cook, R. C.

Other plant patents. Journ. Hered. 24: 49-54. F.1933. no.2.

Myers, C. E.

A reverse mutation in the apple. Journ. Hered. 24: [47]. illus. F.1933. no.2.

The plant patents issued in 1932. Journ. Hered. 24: 59-64. F.1933. no.2.

Journ. Min. Agr. Gt. Brit. (10G79J)

Hudson, P. S.

New methods of plant-breeding: induced polyploidy. Journ. Min. Agr. Gt. Brit. 40: 21-32. illus. Ap.1933. no.1.

Journ. N.Y. Bot. Gard. (89N48J)

Dodge, B. O.

A potting-fibre mold. Journ. N.Y. Bot. Gard. 34: 81-84. illus. Ap.1933. no.400.

Disease of orchids, possibly a Ptychogaster; other fungi found on orchids mentioned.

Journ. N.Y. Bot. Gard. (cont.)

McLean, F. T.

The inheritance of fragrance in Gladiolus species crosses. Journ. N.Y. Bot. Gard. 34: 73-80. illus. Ap.1933. no.400.

Journ. Washington Acad. Sci. (500W276J)

Berry, E. W.

A new Lygodium from the late Tertiary of Ecuador. Journ. Washington Acad. Sci. 23: 208-210. illus. Ap.15, 1933. no.4.

L. bifidum.

Drechsler, C.

Morphological features of some fungi capturing and killing amoebae. Journ. Washington Acad. Sci. 23: 200-202. illus. Ap.15, 1933. no.4.

Post, T. B.

A new disease of dahlias. Journ. Washington Acad. Sci. 23: 203-208. illus. Ap.15, 1933. no.4.

Macrophomina phaseoli.

Swallen, J. R.

Two new grasses of the genus Stipa from Western United States. Journ. Washington Acad. Sci. 23: 198-200. illus. Ap.15, 1933. no.4.

S. latiglumis, S. lobata.

Kosmos (Stuttgart) (474K842)

Stehli, G.

Das goldene frauenhaar. Kosmos 1933: 120-122. illus. 1933. no.4.

Orthotrichum.

Landw. Jahrb. Schweiz. (Bern) (17L23)

Faes, H., Staehelin, M. & Bovey, P.

Les traitments effectues contre les parasites des arbres fruitiers, insectes et champignons en 1930 et 1931. Landw. Jahrb. Schweiz 1: 17-76. illus. 1933. no.1.

German summary: p.74-76.

Kobel, F.

Die aussuchten der immunitätszüchtung bei der rebe. Landw. Jahrb. Schweiz. 2: 248-271. 1933. no.2.

French résumé: p.271.

Lauksaimn. Menešr. (Riga) (20L362)

Gailitis, L.

Labību rusas, bārbelu un pabērzu izplatība un iznicināšana Latvijas virsmežniecībās 1930-1932 g. Lauksaimn. Menešr. 1933: 113-130. 2 pl., map. 1933. no.3.

Latvian.

Deals with eradication of barberry & buckthorn.

Šeninš, R.

Seklas veselības pārbaude. Lauksaimn. Menešr. 1933: 97-104. 1933. no.3.

Latvian.

Lesnická Práce (L'Oeuvre For.)(Písek, Moravia) (99.kL56)

Žabka, J.

Anatomickástudie o listech rodu Pinus.(Étude anatomique sur les feuilles du genre Pinus). Lesnická Práce (L'Oeuvre For.) 12: 129-137. 4 pl. on 2. 1933. no.3.

In Czech.

Lotos (Prag) (510P881)

Fortner, P.

Anton Nestler. Lotos 80: 133-134. 1932.

Died Mar. 20, 1932.

Mainx, F.

Christian Reichels dissertation über die saftbewegung in den pflanzen (1758). Lotos 80: 31-37. 1932.

"De vasis plantarum spiralibus".

Pringsheim, E. G.

Julius Sachs. Lotos 80: 123-126. 1932.

Rudolph, K.

Günther Beck-Mannagetta. Lotos 80: 129-130. 1932.

Schiffner, V.

Richard Wettsteins Wirken in Prag. Lotos 80: 136-141. 1932.

Memento Défense Cult. Dir. Gén. Agr., Comm. et Colon. Morocco (24M82M)

Morocco. Direction générale de l'agriculture, du commerce et de la colonisation - Défense des cultures.

L'anthracnose du pois chiche, Phyllosticta rabiei Pass. Its Memento no.16, 5 p. pl. 0.1932.

Memento Défense Cult. Dir. Gén. Agr., Comm. et Colon. Morocco! (cont.)

Morocco. Direction générale de l'agriculture, du commerce et de la colonisation - Défense des cultures.
L'anthracnose des aurantiacées Colletrotichum gleosporioides Penz. (Deuteromycetae, Melanconiae). Its Memento no.12. 6 p. pl. Ag.1932.

Morocco. Direction générale de l'agriculture, du commerce et de la colonisation - Défense des cultures.
Les blancs des plantes maraichères. Its Memento no.15. 8 p. O.1932.
Le blanc du pois (Erysiphe polygoni ou E. communis)... des cucurbitacées (E. cichoreacearum)... de l'artichaut (Leveillula (Oidiopsis) taurica).

Morocco. Direction générale de L'agriculture, du commerce et de la colonisation - Défense des cultures.
La carie du blé. Its Memento no.13. 8 p. S.1932.

Morocco. Direction générale de l'agriculture, du commerce et de la colonisation - Défense des cultures.
La maladie du fil. Its Memento no.10. 5 p. 2 pl. Ag.1932.
Bacterium solanacearum on tomato.

Morocco. Direction générale de l'agriculture, du commerce et de la colonisation - Défense des cultures.
Le mildiou de la pomme de terre et de la tomate (Phytophthora infestans (Mont.) de Bary). Its Memento no.14. 9 p. O.1932.

Minn. Hort. (Minneapolis) (81M66)
Rose, R. C.
How to prevent disease losses in vegetables. Minn. Hort. 61: 63-64. illus. Ap.1933. no.4.

Mitt. Deut. Landw. Ges. (Berlin) (18D48M)
Blunck, H.
Die umstellung im getreidebau und die pflanzenkrankheiten, I-II. Mitt. Deut. Landw. Ges. 48: 262-263, 286-288. Ap.1,8, 1933. no.13.

Nachrichtenbl. Deut. Pflanzenschutzd. (Berlin) (464.9N11)
Friedrichs, G.
Die bestimmung des bestäubungsgrades trockengebeizten saatgetreides bei der Lohnbeizkontrolle. Nachrichtenbl. Deut. Pflanzenschutzd. 13: 25-27. Ap.1933. no.4.

Nachr. Schädlingsbekämpfung. (Leverkuser, b. Kohn a. Rh.)
Crüger, [O.] (464.8N12)
Universelle pflanzenschutzmittel. Nachr. Schädlingsbekämpfung 8:1-3. Mr.1933. no.1.

Henke,
Muss auch sommerroggen gebeizt werden? Nachr. Schädlingsbekämpfung 8: 11-14. illus. Mr.1933. no.1.

Janisch, R.
Der hausschwamm. Nachr. Schädlingsbekämpfung 8: 44-48. Mr.1933. no.1.

Klitsch,
Die wichtigkeit der beizung der sommergetreidearten. Nachr. Schädlingsbekämpfung 8: 7-11. Mr.1933. no.1.

Steinberg, J.
Neuere erfahrungen mit der universal-trockenbeize ceresan zur beizung von gemüsesamen. Nachr, Schädlingsbekämpfung 8: 14-19. illus. Mr.1933. no.1.

Natur. u. Mus. (Frankfurt a.M.) (509F856)
Corell, L.
Befruchtung der Yucca durch motten. Natur u. mus. 62:365-367. illus. N.1932. no.11.

Juraski,
Fliegenpilz (Amanita muscaria). Natur u. Mus. 62: 330-332. illus. O.1932. no.10.

New Flora & Silva. (London) (80N422)
Bunyard, E. A.
Alpine strawberries. New Flora & Silva 5: 161-163. Ap.1933. no.3.
Variety of Fragaria vesca, which fruits in autumn as well as in summer.

New Flora & Silva (cont.)

Chamberlain, W. S.
Rosa lutea and its varieties. New Flora & Silva 5: 193-196. Ap.1933. no.3.

Cooper, R. E.
The vegetative reproduction of Primulas. New Flora & Silva 5: 181-186. fig. lxv-lxvi. Ap.1933. no.3.

Grove, A.
Lilium dalmaticum and Lilium cattaniae. New Flora & Silva 5: 172-180. fig. lxii-lxiii. Ap.1933. no.3.
L. dalmaticum syn. of L. martagon; L. cattaniae may stand as convenient name for a typical variety to be maintained by vegetative reproduction.

Rowntree, L.
The native Ceanothus of California. New Flora & Silva 5: 149-155. fig. l-liii. Ap. 1933. no.3.

Schacht, W.
An Alpine plant-paradise in Macedonia. New Flora & Silva 5: 164-171. fig. lvi-lxi. Ap.1933. no.3.

Stout, A. B.
Hemerocallis aurantiaca and Hemerocallis aurantiaca major. New Flora & Silva 5: 187-192. fig. lxvii. Ap.1933. no.3.

New Phytol. (London) (450N42)

Ball, N. G.
A physiological investigation of the ephermeral flowers of Turnera ulmifolia L. var. elegans Urb. New Phytol. 32: 13-36. illus., pl. Mr.27,1933. no.1.

Bennet-Clark, T. A.
The rôle of the organic acids in plant metabolism, I. New Phytol. 32: 37-71. Mr.27, 1933. no.1.

Gill, N.
The relation of flowering and cambial activity. Observations on vascular differentiation and dry-weight changes in the catkins of some early flowering catkin-bearing dicotyledons. New Phytol. 32: 1-12. Mr.27,1933. no.1.

New Zeal. Journ. Agr. (Wellington) (23N48J)
Allan, H. H.
Notes on recently observed exotic weeds.
1. Eupatorium. New Zeal. Journ. Agr. 46: 162-165.
illus. Mr.20, 1933. no.3.

Claridge, J. H.
Seed-potato certification. Some observations
made during five years' operations. New Zeal.
Journ. Agr. 46: 165-170. Mr.20, 1933. no.3.

Neill, J. C.
Wheat diseases in New Zealand. Notes on their
incidence and control. New Zeal. Journ. Agr.
46: 137-140. illus. Mr.20, 1933. no.3.

Oesterr. Bot. Zeitschr. (Wien) (450Os7)
Janchen, E.
Richard Wettstein. Sein leben und wirken.
Oesterr. Bot. Zeitschr. 82: 1-195. illus., port.
1933. no.1/2.

Parks & Recreation (Rockford, Ill.)
Teuscher, H.
The botanical garden of the future. II.
Parks & Recreation 16: 369-373. Ap.1933. no.8.

Pflanzenbau (Berlin) (18P48)
Klapp, E. L.
Oekologie und abbau der kartoffel. III. Oekologische typen des ertrags und der staudenentwicklung.
Pflanzenbau 9: 341-351. Mr.1933. no.9.

Stephan, J.
Die melaninbildung in der kartoffel. Pflanzenbau
9: 356-365. illus. Mr.1933. no.9.

Pharm. Zentralh. (Dresden) (396.8P492)
Richter, J.
Die flora der mauern, dächer, und bäume.
Pharm. Zentralh. 74: 161-167. Mr.16, 1933. no.11.

Philipp. Agr. (Los Baños) (25P542)
Ocfemia, G. O. & Celino, M. S.
A brown bark rot of cacao trunk. Philipp. Agr.
21: 665-675. illus., pl. Mr.1933.
Hypomyces haematococcus.

Phytopath. Zeitschr. (Berlin) (464.8P562)

Gassner, G.

Neue wege zur bekämpfung des weizenflugbrandes durch beizung. Phytopath. Zeitschr. 5: 407-433. 1933. no.5.

Heiling, A.

Untersuchungen über den einfluss gasförmiger luftverunreinigungen auf die pflanzliche transpiration nebst einigen voruntersuchungen zur üblichen methodik der transpiration- bestimmungen. Phytopath. Zeitschr. 5: 435-492. illus. 1933. no.5.

Schaffnit, E.

Cercosporella herpotrichoides (Fron) als ursache der halmbruchkrankheit des getreides. Phytopath. Zeitschr. 5: 493-503. illus. 1933. no.5.

Beiträge zur kenntnis der fusskrankheiten des getreides. I.

Proc. Citrus Inst. Edinburg Coll. (Edinburg, Texas) (81Ed2)

Bach, W. J.

Citrus diseases and their control in the Rio Grande Valley. Proc. Citrus Inst. Edinburg Coll. 2(1933): 29-37. Ja.1933.

Dusek, W. M.

Citrus tree surgery. Proc. Citrus Inst. Edinburg Coll. 2(1933): 81-87. Ja.1933.

Fawcett, H. S.

Prevention of gummosis troubles in young citrus trees. Proc. Citrus Inst. Edinburg Coll. 2(1933): 14-17. Ja.1933.

Mainly brown rot.

Shamel, A. D.

Bud variation in Marsh grapefruit. Proc. Citrus Inst. Edinburg Coll. 2(1933): 41-53. Ja.1933.

Proc. N.Y. State Hort. Soc. (81N484)

MacDaniels, L. H.

Further experience of the pollination problem. (cont.) Proc. N.Y. State Hort. Soc. 78: 26-30. 1933.

Mills, W. D.

Fruit diseases in western New York in 1932. Proc. N.Y. State Hort. Soc. 78: 14-25. 1933.

Rankin, W. H.

Disease control in raspberries. Proc. N.Y. State Hort. Soc. 78:296-300. 1933.

Progr. Agr. & Vitic. (Montpellier) (14P94)
Ballar, P.
Note sur le mildiou. Progr. Agr. & Vitic. 99: 304-307. Mr.26, 1933. no.13.

Henri, A.
Maturité des raisins et mildiou de la vigne. (cont.). Progr. Agr. & Vitic. 99: 282-288. Mr.19, 1933. no.12.

Quart. Bull. State Bd. Agr. Delaware (2D37B)
Adams, J. F.
Report of the plant pathologist for 1932. Quart. Bull. State Bd. Agr. Delaware v.23, no.1. 16 p. Mr.31, 1933.

Rassegna Econ. Colon. Italy (Roma) (261C71)
Baldrati, I.
I prodotti del suolo coltivati e spontanei in Eritrea. Rassegna Econ. Colon. Italy 20: 1231-1291. Illus. N.D. 1932. no.11/12.

Rec. Trav. Bot. Néerl. (Amsterdam) (451N28R)
Hof, T. & Frémy, P.
On Myxophyceae living in strong brines. Rec. Trav. Bot. Neerl. 30: 140-162. illus. Ja.1933. no.1.

Kok, A. C. A.
Ueber den transport körperfremder stoffe durch parenchymatisches gewebe. Rec. Trav. Bot. Neerl. 30: 23-139. illus. Ja.1933. no.1.

Kuijper, J.
Zur frage der periodischen blüte von Dendrobium crumenatum Lindl. Rec. Trav. Bot. Neerl. 30: 1-22. Ja.1933. no.1.

Repert. Spec. Nov. Fedde (Berlin) (450R29)
Bornmüller, J.
Ueber ein neues Allium der sektion Crommyum-Porrum aus der flora aegyptens. (Allium mareoticum Bornm. et Gauba sp.nov.) Repert. Spec. Nov. Fedde 31(Repert. Europ. & Med. 3, 46/49): 396-399. F.28, 1933. no.21/25.

Bornmüller, J.
Zur kenntnis des Sedum flexuosum Wettstein. Repert. Spec. Nov. Fedde 31(Repert. Europ. & Med. 3,46/49): 392-396. F.28, 1933. no.21/25.

Repert. Spec. Nov. Fedde. (cont.)

Cretzoiu, P.
Neue beiträge zur flechtenflora von Rumänien. Repert. Spec. Nov. Fedde 31(Repert. Europ. & Med. 3,46/49): 357-368. pl. cxxxviii. F.28, 1933. no.21/25.

Cufodontis, G.
Leucopholis capitata (Baker) comb.n. Repert. Sepc. Nov. Fedde 31: 329-330. F.28,1933. no.21/25.

Golicin, S.
Dryopteris liliana spec.nov. Repert. Spec. Nov. Fedde 31(Repert. Europ. & Med. 3,46/49): 388-390. F.28, 1933. no.21/25.
Sect. Spinulosa Christ.

Mattfeld, J.
Stellaria blatteri Mattf., eine neue art aus Waziristan. Repert. Spec. Nov. Fedde 31: 334-336. F.28,1933. no.21/25.

Pfeiffer, H.
Conspectus cyperacearum in America meridionali nascentium. V. Die einährigen Bulbostylis-arten südamerikas. Repert. Spec. Nov. Fedde 31: 321-328. F.28, 1933. no.21/25.

Rechinger, K. H. & Scheffer, J.
Zur kenntnis der flora und vegetation der liptauer Alpen (Zentralkarpathen) (schluss). Repert. Spec. Nov. Fedde 31(Repert. Europ. & Med. 3,46/49): 337-357. F.28, 1933. no.21/25.

Ruppert, J.
Beiträge zur kenntnis italienischer orchidaceen. Repert. Spec. Nov. Fedde 31(Repert. Europ. & Med. 3, 46/49): 369-388. F.28,1933. no.21/25.

Schulz, O. E.
Seltene cruciferen aus Kashmir. Repert. Spec. Nov. Fedde 31: 330-334. F.28,1933. no.21/25.

Wein, K.
Bromus ramosus Huds. var. irmischii (nov.var.) K. Wein. Repert. Spec. Nov. Fedde 31(Repert. Europ. & Med. 3, 46/49): 390-392. F.28,1933. no.21/25.

Rep. Subord. Off. Dept. Agr. Madras (22M26Re)
Sundararaman, S.
Administration report of the mycologist for the year 1929/30, 1930/31. Repert. Subord. Off. Dept. Agr. Madras 1929/30: 261-290. 1930; 1930/31: 138-144. 1931.

Rev. Bot. Appl. (Paris) (26R323)
Chevalier, A.
Le Gossypium anomalum Wawra et Peyr. est-il un cotonnier ou un Cienfuegosia? Rev. Bot. Appl. 13: 190-195. Mr.1933. no.139.
Considers that G. anomalum is a true Gossypium not a Cienfuegosia; but that G. africanum Watt on the contrary is Cienfuegosia anomala Gurke.

Tachdjian, E.
Etat actuel de nos connaissances sur le papayer. Rev. Bot. Appl. 13: 196-201. Mr.1933. no.139.

Trochain, Y.
Les Vaccinium comestibles. Rev. Bot. Appl. 13:173-189. illus. Mr.1933. no.139.

Roberty, G.
Notes au sujet de l'alfa et de quelques plantes affines. (cont.) Act. Compt. Rend. Assoc. Colon. Sci. 9: 61-68. Mr.1933 (With Rev. Bot. Appl. v.13, no.129) no.93.

Rev. Gén. Bot. (Paris) (450R326)
Killian, C.
Recherches écologiques sur l'assimilation chlorophyllienne chez des monocotylédonées printanières. Rev. Gén. Bot. 45: 93-130. illus. Mr.1933. no.531.

Rev. Hort. (Paris) (80R32)
Desloges, R. J.
Contribution a l'étude du Cyphomandra betacea sur la Cote d'Azur et a l'utilisation de ses fruits. Rev. Hort. 105: 353-355. illus. Mr.16, 1933. no.15.

Jahandiez, E.
Les plantes grasses autres que les cactées, les Euphorbes cactiformes. (cont.) Rev. Hort. 105: 344-346. illus. Mr.16, 1933. no.15.

Rhodora (Boston) (450R34)

Blake, S. F.
Charles Albert Robbins, 1874-1930. Rhodora 35: 140-145. Ap.1933. no.412.

Fernald, M. L.
Recent discoveries in the Newfoundland flora. (cont.) Rhodora 35: 120-140. pl.240-241. Ap. 1933. no.412.

Kidder, N. T.
Some weeds in an old garden. Rhodora 35: 145. Ap.1933. no.412.
Milton, Mass.

Rosendahl, C. O., Butters, F. K. & Lakela, O.
Identity of Heuchera hispida Pursh. Rhodora 35: 111-118. pl.239. Ap.1933. no.412.
... the middle western plants which have been passing as H. hispida Pursh ... are all varieties of H. richardsonii R.Br.

Wherry, E. T.
Heuchera hispida Pursh rediscovered. Rhodora 35: 118-119. Ap.1933. no.412.

Roczn. Nauk Rolnicz. i Leśn. (Polish Agr. & For. Ann.)
(Poznán) (20.5R59)

Terlikowski, F. & Górnicki, T.
Zawartość tytanu w niektórych roślinach uprawnych. (Titangehalt in einigen kulturpflanzen). Roczn. Nauk. Rolnicz. i Leśn. (Polish Agr. & For. Ann.) 29: 289-298. illus. 1933. no.2.
Brief German summary: p.298.

Science (470Sci2)

Darrow, G.M. & Waldo, G. F.
Photoperiodism as a cause of the rest period in strawberries. Science 77: 353-354. Ap.7, 1933. no.1997.

Jenny, H. & Cowan, E. W.
The utilization of adsorbed ions by plants. Science 77: 394-396. Ap.21, 1933. no.1999.

Sitzungsb. Akad. Wiss. Wien. Math.-Naturw. Kl. Abt. I. (510V67)

Lämmermayr, L.

Vergleichende studien über die pflanzendecke oststeirischer basalte und basalttuffe. II. Sitzungsb. Akad. Wiss. Wien Math.-Naturw. Kl. Abt. I, 141: 271-284. 1932. no.5/7.

Soil Sci. (Baltimore) (56.8So3)

Emmert, E.M. & Ball, F. K.

The effect of soil moisture on the availability of nitrate, phosphate, and potassium to the tomato plant. Soil Sci. 35: 295-306. illus. Ap. 1933. no.4.

Succulenta (Leeuwarden) (450Su1)

Karsten, M. C.

Huernia in woord en beeld. I. Succulenta 15: 67-75. illus. Ap.1933. no.4.

Svenska Skogsvårdsfören Tidskr. (Journ. Swedish For. Soc.) (99.8Sk5)

Johansson, N.

Sambandet mellan vedstammens andning och dess tillväxt. (The relation between the tree-stem's respiration and its growth). Svenska Skogsvardsfören Tidskr. (Journ. Swedish For. Soc.) 31: 53-134. illus. 1933. no.1.

English summary: p.127-134.

Lagerberg, T.

Ascochyta parasitica (Hartig), en skadesvamp pa granplantor. (Ascochyta parasitica (Hartig) as a parasite on spruce seedlings). Svenska Skogsvardsfören Tidskr. (Journ. Swedish For. Soc.) 31: 1-10. illus. 1933. no.1.

English summary: p.10.

Tabulae Biol. Period. (Berlin) (442T11A)

Czaja, A. T.

Photo-periodizität. In Tabulae Biol. Period. 3: 1-49. 1933. no.1.

Torreya (450T63)

Berry, E. W.

A Jacaranda from the Pliocene of Brazil. Torreya 33: 38-40. illus. Mr./Ap.1933. no.2.

J. tertiaria.

Chrysler, M. A.

Noteworthy plants observed in New Jersey during 1932. Torreya 33: 29-30. Mr./Ap. 1933. no.2.

Phoradendron flavescens, Dentaria heterophylla, Rhododendron canadense, Pogonia divaricata.

Torreya (cont.)

Dodge, B.O. & Swift, M.E.

A simple way to demonstrate sexual reproduction in the bakery mold, Neurospora. Torreya 33: 31-37. illus. Mr./Ap.1933. no.2.

Rusby, H. H.

A new blackberry from Colombia. Torreya 33: 41. Mr./Ap.1933. no.2.

Rubus pendulus.

Trans. Brit. Mycol. Soc. (London) (451B76)

Deacon, G. E.

Some effects of Botrytis cinerea on roses. Trans. Brit. Mycol. Soc. 17: 331-333. pl. xv. Mr.18, 1933. no.4.

Findlay, W.P.K.

The germination of the spores of Merulius lacrymans (Wulf.) Fr. Trans. Brit. Mycol. Soc. 17: 334-335. illus. Mr.18, 1933. no.4.

Page, W. M.

A contribution to the life-history of Sordaria fimicola (four-spored form) with special reference to the abnormal spores. Trans. Brit. Mycol. Soc. 17: 296-301. illus. Mr.18, 1933. no.4.

Ramsbottom, J.

Index to Berkeley and Broome's "Notices of British Fungi". Trans. Brit. Mycol. Soc. 17: 308-330. Mr.18,1933. no.4.

Shear, C. L.

The manuscript of James Bolton's Icones fungorum circa Halifax sponte nascentium. Trans. Brit. Mycol. Soc. 17: 302-307. Mr.18, 1933. no.4.

Wehmeyer, L. E.

The British species of the genus Diaporthe Nits. and its segregates. Trans. Brit. Mycol.Soc. 17: 237-295. Mr.18, 1933. no.4.

Trans. Illinois State Hort. Soc. (81I16)

Anderson, F. G.

The phony peach disease in Illinois. Trans. Illinois State Hort. Soc. 66(1932):214-217. 1933.

Trans. Illinois State Hort. Soc. (cont.)

Anderson, H.W.
Results of disease control in 1932. Trans. Illinois State Hort. Soc. 66: 175-197. 1933.
Entirely concerned with apples.

Gibson, R. E.
Chimeras and bud sports. Trans. Illinois State Hort. Soc. 66(1932):201-211. illus. 1933.

Somers, L. A.
Bacterial wilt or Stewart's disease of sweet corn. Trans. Illinois State Hort. Soc. 66(1932): 336-347. 1933.

Somers, L. A.
Seed treatment and seed-bed sanitation. Trans. Illinois State Hort. Soc. 66(1932): 383-391. 1933.

Trans. Texas. Acad. Sci.

Carter, W.T. & Cory, V. L.
Soils of Trans-Pecos Texas and some of their vegetative relations. Trans. Texas Acad. Sci. 15(1930): 19-32. 1932.

Horlacher, W.R. & Killough, D. T.
Chlorophyll deficiencies induced in cotton (Gossypium hirsutum) by radiations. Trans. Texas Acad. Sci. 15(1930): 33-38. pl. ii. 1932.

McAllister, F., Hoglund, P.Y. & Whitehouse, E.
Catalogue of Texas Hepaticae, with notes on the habitat and distribution. Trans. Texas Acad. Sci. 15(1930): 39-58. pl. iii-iv. 1932.

Tribune Hort. (Bruxelles) (80T73)

Cauw, E. de la
Notes sur le phytogeographie des cactées americaines. Tribune Hort. 16: 197-200. Ap.1, 1933. no.846.

Trudy Prikl. Bot., Gen.i Selek. Ser. III. Fiziol. Biokhim. i Anat. Rast. (Bull. Appl. Bot., Gen. & Plant-breed. III. Ser., Phys., Biochem. & Anat. Plants) (451R92P)

Aleksandrov, V. G. & Aleksandrova, O. G.
O vlii͡anii vetok na strukturu stebli͡a travi͡anistogo (On the influence of the branches in the structure of a herbaceous plant). Trudy Prikl. Bot., Gen.i Selek. Ser. III, Fiziol., Biokhim. i Anat. Rast. (Bull. Appl. Bot., Gen. & Plant-breed. III Ser., Phys., Biochem. & Anat. Plants) 2: 3-109. illus. 1932.
Russian with English summary (p.xix-xxv)
Experiments with Helianthus cucumeriformis.

Aleksandrov, V. G., Abesadze, K. Iu., Nassonov, V. A. & Iakovlev, M. S.
Printsipy stroenii͡a stebli͡a nekotorykh travi͡anistykh lubo-voloknistykh tekstil'nykh rastenii i metody ego izuchenii͡a (Principles of stem structure in some herbaceous bast fiber plants and methods of its study). Trudy Prikl. Bot., Gen.i Selek. Ser. III, Fiziol., Biokhim. i Anat. Rast.(Bull. Appl. Bot., Gen. & Plant-breed. III. Ser., Phys., Biochem. & Anat. Plants) 2: 110-283. illus. 1932.
Russian with English summary (p.iii-xviii)

Aleksandrov, V. G. & Aleksandrova, O. G.
Sravnitel'no-anatomicheskie issledovanii͡a nad stroeniem korobochek razlichnykh predstavitelei opiinykh makov (Comparative anatomical investigation of the structure of the capsule in different representatives of the opium poppy). Trudy Prikl. Bot., Gen. i Selek. Ser. III, Fiziol., Biokhim. i Anat. Rast. (Bull. Appl. Bot., Gen. & Plant-breed. III, Ser., Phys. Biochem. & Anat. Plants) 2: 316-350. illus. 1932.
Russian with English summary: (p.xxvii-xxix)

Iakovlev, M. S.
Metod graficheskogo opredelenii͡a vykhoda volokna u'l'na (The method of graphic determination of the yield of fiber in flax stems) Trudy Prikl. Bot., Gen. i Selek. Ser. III, Fiziol., Biokhim. i Anat. Rast. (Bull. Appl. Bot., Gen. & Plant-breed. III. Ser. Phys., Biochem. & Anat. Plants) 2: 284-315. illus. 1932.
Russian with English summary (p.351-352)

Trudy Tadzhinks. Bot. Sada (Acta Horti Bot. Tadshik.)
(Tashkent) (451T18)

Iseav, V.

K voprosu izucheniia efirnykh masel flory Tadzhikistana (Zur frage des studiums der ätherischen öle der flora Tadshikistans). Trudy Tadzhiks. Bot. Sada (Acta Horti Bot. Tadshik.) 1/3: 7-21. 1932.

Russian with German summary.

Kudriashev, S.

K voprosu izycheniĭa dubil'nykh rastenii tsentral'noĭ chasti Gissarskogo Khrebtal (Zur frage über des studiums der gerbpflanzen im zentralen teile der Gissarschen bergkette). Trudy Tadzhiks. Bot. Sada (Acta Horti Bot. Tadshik.) 1/3: 31-38. illus. 1932.

Russian with German summary.

Teikh, A.

Predvaritel'noe soobshchenie o gribnykh zabolevaniiakh efirno-maslichnykh rastenii srednei Azii (Vorläufige mitteilung über pilznerkrankungen der ätherischen ölpflanzen in Mittelasien) Trudy Tadzhinsk. Bot. Sada (Acta Horti Bot. Tashik) 1/3: 23-29. 1932.

Russian with German summary.

U. S. Dept. Agr. Plant Dis. Rep. (1.9P69P)

Leach, J. G.

A destructive Fusarium wilt of muskmelons. U.S. Dept. Agr. Plant Dis. Rep. 17: 17. Mr.1, 1933. no.2.

Closely resembles F. niveum.

Milbrath, D. G.

Report on a survey for Phymatotrichum omnivorum in San Diego County, California. U.S. Dept. Agr. Plant Dis. Rep. 17: 15-16. Mr.1, 1933. no.2.

Fungus found on alfalfa and cotton-wood trees.

Univ. Iowa Stud. Nat. Hist. (500Io9)

Anderson, R. S.

The validity of the genus Pilaira. Univ. Iowa Stud. Nat. Hist. 15: 3-7. pl. My.1, 1933. no. 1.

Papers on Iowa fungi III.

Univ. Iowa Stud. Nat. Hist. (cont.)

Looney, A. M.

A morphological study of certain species of Tremella. Univ. Iowa Stud.Nat. Hist. 15: 17-33. 3 pl. Ap.1933. no.1.

Papers on Iowa fungi III.

Martin, G. W. & Fisher, M. C.

The genera of the Dacrymycetaceae. Univ. Iowa Stud. Nat. Hist. 15: 8-16. pl. My.1, 1933. no.1.

Papers on Iowa fungi III.

Valley Fruit Grow. (Winchester, Va.) (80V24)

Schneiderhan, F. J.

Root rot of apple trees, a serious disease. Valley Fruit Grow. 1: 17, 22. F.1933. no.1.

Xylaria root rot.

Verh. Zool.-Bot. Ges. Wien. (410.9V67)

Ginzberger, A.

Friedrich Vierhapper. Verh, Zool.-Bot. Ges. Wien 82: 5-28. port. 1932. no.1/4.

Janchen, E.

Trimorpha vierhapperi, ein neue benannter bastard. Verh. Zool.-Bot. Ges. Wien 82: 124-125. 1932. no.1/4.

Lohwag, H.

Ueber trüffelvorkommen. Verh. Zool.-Bot. Ges. Wien 82: 117-123. 1932. no.1/4.

Passecker, F.

Beiträge zur flora des südöstlichen waldviertels mit besonderer berücksichtigung des gebietes um Rosenburg (Kamptal).. Verh. Zool.-Bot. Ges. Wien. 82: 51-81. 1932. no.1/4.

Vierteljahrsschr. Naturf. Ges. Zürich (508Z8)

Däniker, A. U.

Ergebnisse der reise von Dr. A.U. Däniker nach Neu-Caledonien und den Loyalty-Inseln (1924/6). 4. Katalog der Pteriodophyta und Embryophyta siphonogama. Vierteljahrsschr. Naturf. Ges. Zürich v.77, Beibl. 19. p.115-235. D.1932.

Schinz, H.

Gustav Hegi (1876-1932). Vierteljahrsschr. Naturf. Ges. Zurich 77: 266-273. D.31, 1932. no.1/4.

Zeitschr. Indukt. Abstamm.u. Vererbungsl. (Leipzig) (442.8Z34)

Hackbarth, J.

Untersuchungen über koppelung bei Antirrhinum majus. II. Koppelungen von blattfaktoren aus F_2-untersuchungen. Zeitschr. Indukt. Abstamm. u. Vererbungsl. 64: 15-53. illus. 1933. no.1/2.

Oehler, E.

Untersuchungen über ansatzverhältnisse, morphologie und fertilität bei Aegilops-weizenbastarden. I. Die F_1-generation. Zeitschr. Indukt. Abstamm. u. Vererbungsl. 64: 95-153. illus. 1933. no.1/2.

Stein, E.

Ueber vegetativ durch radiumbestrahlung entstandene periklinal-chimären von Antirrhinum. Zeitschr. Indukt. Abstamm. u. Vererbungsl. 64: 77-94. illus. 1933. no.1/2.

Exper. Stat. Publ.

Fisher, H. J. & Bailey, E. M.

The composition of some commercial insecticides, fungicides, bactericides, rodenticides and weed killers. Connecticut Agr. Exp. Stat. Bull.346: 211-268. F.1933. (100C76St.)

A compilation, Suppl. to Bull.300.

Weber, G. F.

Some diseases of cabbage and other crucifers in Florida. Florida Agr. Exp. Stat. Bull.256. 62 p. illus. D.1932. (Rec'd Ap.1933) (100F66S)

Holton, C. S.

Studies in the genetics and cytology of Ustilago avenae and Ustilago levis. Minnesota Agr. Exp. Stat. Techn. Bull. 87. 34 p. 21 pl. on 10. N.1932 (100M66) (Rec'd Ap.20, 1933)

Hanson, H.C. & Rudd, V. E.

Leafy spurge. Life history and habits. (North Dakota Agr. Exp. Stat. Bull. 266. 24 p. illus. Mr.1933. (Rec'd Ap.) (100N813)

Euphorbia virgata.

Waldo, G. F., Brown, W. S. & McWhorter, O. T.

The Young dewberry (Youngberry). Oregon Agr. Exp. Stat. Circ. Inf. 87. 2 p. Ap.1933. (100Or3C)

Exper. Stat. Publ. (cont.)

Beath, O. A., Draize, J. H. & Eppson, H. F.
Arrow grass. Chemical and physiological considerations. Wyoming Agr. Exp. Stat. Bull. 193. 36 p. illus. Ja.1933. (Rec'd Ap.) (100W99)
Triglochin maritima.

Knowlton, H. E.
Pollination of fruit trees in West Virginia. West Virginia Agr. Exp. Stat. Circ. 62. 12 p. illus. Mr.1933. (Rec'd Ap.) (100W52)

State Publications.

Bouquet, A. G. B. & McWhorter, F. P.
Treating soil for control of the damping-off disease in the growing of early vegetables. Oregon Agr. Coll. Ext. Serv. Circ. 280. 4 p. F.1933. (275.290r32C)

New Books.

Adamovic, L.
Die pflanzengeographische stellung und gliederung italiens. Jena, G. Fischer, 1933. (459.8Ad1P)

Bonnier, G. & Douin, R.
Flore complète illustrée en couleurs de France... Suisse et Belgique... v.12, fasc.114. col.pl. 679-684. Paris, [1933] (f°459B64)
Festuca, Bromus.

Burgeff, H.
Saprophytism und symbiose. Jena, G. Fischer, 1932. (463.8B91S)
Saprophytische orchideen. - Die pilzsymbioten. - Pflanzen und pilze. - Die umwelt der saprophyten und ihrer symbioten. - Der saprophytismus als morphologisches, physiologisches und genetisches phänomen.

Cary, K. T. & Merrell, N. D.
Arranging flowers throughout the year. N.Y., Dodd, Mead & Company, 1933. (97C25)

Detmer, W.
Das kleine pflanzenphysiologische praktikum ....von Dr. L. Brauner... Des gleichnamigen werkes... 5., neubearb. aufl. II. teil Die physikalische chemie der pflanzenzelle. Jena, G. Fischer, 1932. (463.1D48K)

New Books. (cont.)

Everard, L. C.
Zoological parks, aquariums and botanical gardens. Washington, D. C., 1932. (Publications of the American association of museums, n.s., no.12) (409Ev2)

Florov, V. M. & Ramensky, L.G.
Opredelitel rasteniĭ v netsvetushchem sostoi͡anii dli͡a srednei chasti SSSR [Determination of plants in non-flowering state in central USSR] Moskva, Leningrad, Gosudarstvennoi͡e izdatel'stvo sel'skokhozi͡aistvennoi i kopkhoznokooperatinoĭ literatury 1932 (459.2F66)
Russian.

Fox, H. M.
Gardening with herbs. New York, Macmillan Co., 1933. (91.47F83)

Gough, K.
A garden book for Malaya and other tropical countries. ed.2. London, H. F. & G. Witherby, 1933. 97G722)

Gravis, A.
Contribution à l'étude des variations. Nanisme et pédocarpisme du Plantago coranopus L. Paris, 1932 (Suppléments du Bulletin biologique de France et de Belgique Suppl. XIV) (463.69G78)

Hine, Mrs. W. R.
The arrangement of flowers. N.Y., Scribners 1933. (97H58)

Horvat, I.
Vegetationsbilder aus den Kroatischen Alpen. In Karsten, G. Vegetationsbilder 23. r., h.8. pl. 43-48. 1933 (f° 452.9K142)

Jahandiez, E. & Maire, R.
Catalogue des plantes du Maroc (spermatophytes et ptéridophytes). v.2 (Dicotylédones archichlamydées). Alger, Imprimerie Minerva, 1932 (460.41J19)

Kitamura, S.
Compositae novae japonicae. Kyoto, Dec.1931. (452.3K64)

New Books. (cont.)

Leclerc, H.
Le petit jardin (Hortulus) de Walahfrid Strabus. Paris, A. Legrand, 1933 (452.2L492)

Messedaglia, L.
Per la storia dell'agricoltura e dell'alimentazione. Piacenza, Federazione italiana dei consorzi agrari, 1932. (30.9M56P)

Renaud, M.
Étude de quelques bois de la Guyane. Paris, Journal de l'ameublement, 1932 (99.31R29)

Robinson, W.
The English flower garden and home grounds of hardy trees and flowers only. ed.15, London, J. Murray, 1933. (97R56E)

Tadulingam, C. & Narayana, G. V.
A handbook of some south Indian weeds. Madras, Government press, 1932 (460.12T12)
Index to Tamil names, Malayan names, Telugu names.

Tasmania. Dept. of agriculture.
Plant pathology. Its Ann. Rep. 1930/31: 24-29. [1932?] (23T182R)
Mimeographed.

Corrections.

v.15, no.7, p.34.
under Translations, Goidánich. paging should read 285-297.

v.15, no. 7, p. 32.
under Zeitschr. Pilzk. the vol. no. should read 11 i.e. 12:

LIBRARY
RECEIVED
★ MAY 25 1933 ★
U. S. Department of Agriculture

BOTANY
CURRENT LITERATURE

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY.
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C.

V.15, no.9. Apr.24-May 6, 1933.

Agr. Journ. Dept. Sci. & Agr. Barbados. (8B23)
Hardy, F.
Some aspects of the flora of Barbados. IV. Agr. Journ. Dept. Sci. & Agr. Barbados 1(4): 25-66. O.1932.

Amer. Journ. Bot. (450Am36)
Bisby, G. R.
The distribution of fungi as compared with that of phanerogams. Amer. Journ. Bot. 20: 246-254. Ap.1933. no.4.

East, E. M.
The behavior of a triploid in Nicotiana tabacum L. Amer. Journ. Bot. 20: 269-289. illus. Apr. 1933. no.4.

Evans, R. I.
Cytological studies on the parasitic relationship of Urocystis cepulae to the onion. Amer. Journn. Bot. 20: 255-268. pl.11-12. Ap.1933. no.4.

Humphrey, L. M.
Chromosome studies in Zea mays L. Amer. Journ. Bot. 20: 290-295. illus. Apr.1933. no.4.

La Motte, C.
Morphology of the megagametophyte and the embryo sporophyte of Isoetes lithophila. Amer. Journ. Bot. 20: 217-233. illus. Ap. 1933. no.4.

Saeger, A.
Manganese and the growth of Lemnaceae. Amer. Journ. Bot. 20: 234-245. pl. 9-10. Ap.1933. no.4.

Anal. Inst. Biol. Mexico. (442.9M57)
Bishop, A. S.
Algunas cianoficeas del lago de Xochimilco. Anal. Inst. Biol, Mexico 4: 29-31. illus. 1933. no.4.

Sokoloff, D.
Zoocystis vorticellae, una nueva alga simbiotica. Anal, Inst. Biol, Mexico 4: 47-50. illus. Apr.1933. no.4.

Ann. Mus. Colon. Marseille. (410.9M35)
Jumelle, H.
Nouveaux palmiers de Madagascar. Ann. Mus. Colon. Marseille v.41(V,1). no.1. 29 p. 1933.

Ann. Chim. Appl. (Roma) (385An7)
Sanna, A.
La protezione idrica fa diminuire nel Polygonum amphibium il quantitativo degli alcaloidi. Ann. Chim. Appl. 23: 51-56. F.1933. no.2.

Ann. Bot. (London) (450An7)
Benson, M.
The roots and habit of Heterangium grievii. Ann. Bot. 47: 313-315. illus., pl. xiii. Ap.1933. no.186.

Billings, F. H.
Development of the embryo-sac in Phoradendron. Ann. Bot. 47: 261-278. illus. Ap.1933. no.186.

Bowen, E. J.
The mechanism of water conduction in the Musci considered in relation to habitat. Ann. Bot. 47: 401-422. illus. Ap.1933. no.186.

Dastur, R. H. & Samant, K. M.
Study of the products of photosynthesis in leaves in artificial and in natural light. Ann. Bot. 47: 295-304. Ap.1933. no.186.

Dey, P. K.
Studies on physiology of the appressorium of Colletotrichum gloeosporioides. Ann. Bot. 47: 305-312. pl. xii. Ap. 1933. no.186.

Dickinson, C. I.
Some marine algal balls from Tasmania. Ann. Bot. 47: 253-259. illus. Ap.1933. no.186.
Halopteris funicularis.

Edwards, W. N.
On the Cretaceous fern Paradoxopteris and its connexion with Weichselia. Ann. Bot. 47: 317-341. illus., pl.xiv. Ap. 1933. no.186.

Gregory, F. G.
A simple device for regulating gas flow. Ann. Bot. 47: 427-428. illus. Ap.1933. no.186.

Gupta, S. N. D.
Studies in the genera Cytosporina, Phomopsis, and Diaporthe. IV. On the pathogenicity of certain strains of Phomopsis and Diaporthe. Ann. Bot. 47: 385-400. Ap.1933. no.186.

Ann. Bot. (cont.)

Gwynne-Vaughan, H. C. I. & Williamson, H. S.
The asci of Lachnea scutellata. Ann. Bot. 47: 375-383. illus., pl. xvi-xvii. Ap.1933. no.186.

Isaac, W. E.
Some observations and experiments on the drought resistance of Pelvetia canaliculata. Ann. Bot. 47: 343-348. Ap.1933. no.186.

James, W.O. & Penston, N. L.
Studies of the physiological importance of the mineral elements in plants. IV. The quantitative distribution of potassium in the potato plant. Ann. Bot. 47: 279-293. illus. Ap.1933. no.186.

Levyns, M. R.
Sexual reproduction in Macrocystis pyrifera Ag. Ann. Bot. 47: 349-353. illus. Ap.1933. no.186.

Metcalfe, C. R.
A note on the structure of the phyllodes of Oxalis herrerae R. Knuth and O. bupleurifolia St.Hil. Ann. Bot. 47: 355-359. illus. Ap.1933. no.186.

Scott, D. H.
Archaeopitys eastmanii. Ann. Bot. 47: 361-374. illus., pl.xv. Ap.1933. no.186.

Singh, T.C.N.
Cuscuta as a parasite on a fern. Ann. Bot. 47: 423-425. illus. Ap.1933. no.186.
C. reflexa in laboratory experiment attacked Athyrium pectinatum.

Singh, T. C. N.
A new device for overcoming electrification in microtomy. Ann. Bot. 47: 425-427. illus. Ap. 1933. no.186.

Skovsted, A.
Cytological studies in cotton. I. The mitosis and meiosis in diploid and triploid Asiatic cotton. Ann. Bot. 47: 227-251. pl. vii-xi. Ap.1933. no.186.

Ann. Missouri Bot. Gard. (St.Louis) (451M59)

Allen, C. K.
A monograph of the American species of the genus Halenia. Ann. Missouri Bot. Gard. 20: 119-222. illus., pl.8-12, fold.map. F.1933. no.1.

Ann. Missouri Bot. Gard. (cont.)

Larsen, E. L.
Astranthium and related genera. Ann. Missouri Bot. Gard. 20: 23-44. pl.2-4. F.1933. no.1.

Moore, M.
Blastomycosis: Report of a case, with a study of an etiologic factor and a classification of the organism. Ann. Missouri Bot. Gard. 20: 79-118. pl.6-7. F.1933. no.1.
Endomyces dermatitides.

Pinkerton, M. E.
Ferns and fern allies of Missouri. Ann. Missouri Bot. Gard. 20: 45-78. pl.5. fold.tab. F.1933. no.1.

Pring, G. H. & Woodson, R. E., Jr.
A new yellow Nymphaea from tropical Africa. Ann. Missouri Bot. Gard. 20: 1-6. illus., pl.1. F.1933. no.1.
N. burttii.

Räsänen, V. J. P. B.
Contribution to the lichen flora of North America. Ann. Missouri Bot. Gard. 20: 7-21. F.1933. no.1.

Wynd, F. L.
The sensitivity of orchid seedlings to nutritional ions. Ann. Missouri Bot. Gard. 20: 223-237. F. 1933. no.1.
Cattleya trianae.

Arch. Exp. Zellforsch. Gewebezücht. (442.8Ar24)

Pfeiffer, H.
Ueber das migrationsvermögen pflanzlicher zellen in situ und in vitro. Arch. Exp. Zellforsch. Gewebezücht. 14: 152-170. illus. 1933. no.1.

Arch. Protistenk. (Jena) (439.8Ar2)

Bachmann, E.
Ueber den lagerbau moosbewohnender flechten. Arch. Protistenk. 79: 416-467. illus. 1933. no.3.

Entz, G.
Ueber veränderung von volum und oberfläche beim wachstum, der teilung und encystierung eines protisten (Ceratium hirundinella). Arch. Protistenk. 79: 380-390. illus. 1933. no.3.

Arch. Protistenk. (cont.)
Jahn, T. L.
On certain parasites of Phacus and Euglena; Sphaerita phaci, sp.nov. Arch. Protistenk. 79: 349-355. pl.16-17. 1933. no.3.

Weber, R.
Beiträge zur kenntnis der gattung Calothrix. Arch. Protistenk. 79: 391-415. illus., pl.20. 1933. no.3.

Atti R. Accad. Naz. Lincei VI, Rend. Cl. Sci. Fis. Mat. e. Nat. (Rome) (507R66)
Quilico, A. & Capua, A. di.
Sopra l'aspergillina, il pigmento delle spore dell' Aspergillus niger. II. Atti R. Accad. Naz. Lincei VI, Rend. Cl. Sci. Fis., Mat. e Nat. 17: 177-182. Ja.22, 1933. no.2.

Austral. Journ. Exp. Biol. & Med. Sci. (Adelaide) (442.8Au7)
Petrie, A. H. K.
The intake of ions by the plant and its relation to the respiration of the root. Austral. Journ. Exp. Biol. & Med. Sci. 11: 25-34. Mr.16, 1933. no.1.

Ber. Deut. Bot. Ges. (Berlin) (451D48)
Cholodny, N.
Zum problem der bildung und physiologischen wirkung des wuchshormons bei den wurzeln. Ber. Deut. Bot. Ges. 51: 85-98. Mr.30, 1933. no.2.

Donat, A.
Sind Drosera uniflora und Pinguicula antarctica bizentrische typen? Ber. Deut. Bot. Ges. 51: 67-77. maps. Mr.30, 1933. no.2.

Katz, N.
Ueber das vorkommen von Sphagnum imbricatum und von hochmooren im Amurgebiete. Ber. Deut. Bot. Ges. 51: 104. Mr.30, 1933. no.2.

Naumann, E.
Wuchsformen-bilder des abwasserpilzes Leptomitus lacteus (Roth) Agardh. Ber. Deut. Bot. Ges. 51: 99-103. pl. iii. Mr.30, 1933. no.2.

Ber. Deut. Bot. Ges. (cont.)

Uphof, J. C. T.

Die blütenbiologie von Mayaca fluviatilis Aubl. Ber. Deut. Bot. Ges. 51: 78-85. illus. Mr.30, 1933. no.2.

Ber. Schweiz. Bot. Ges. (Zurich) (451Sch9)

Aellen, P.

Zur centaureen-flora von Ascona (Tessin) Ber. Schweiz. Bot. Ges. 41: 173-178. N.1932. no.2.

Binz, A.

Neuere bemerkenswerte pflanzenfunde der Basler flora. Ber. Schweiz. Bot. Ges. 41: 284-288. N.1932. no.2.

Braun-Blanquet, J.

Zur frage der physiologischen trockenheit der salzböden. Ber Schweiz. Bot. Ges. 40: 33-39. D.1931. no.2.

Fischer, E.

Die beziehungen zwischen Gymnosporangium confusum Plowr., auf Juniperus phoenicea und J. sabina. Ber. Schweiz. Bot. Ges. 40: 1-8. Jl. 1931. no.1.

Gäumann, E.

Ueber eine neue ustilaginee. Ber. Schweiz. Bot. Ges. 41: 179. N.1932. no.2.

Tolyposporium kochianum on Schoenus nigricantis x ferruginei (not on S. ferruginei)

Jaag, O.

Untersuchungen über Rhodoplax schinzii, eine interessante alge vom Rheinfall. Ber. Schweiz Bot. Ges. 41: 356-371. illus. N.1932. no.2.

Koblet, R.

Ueber die keimung von Pinus strobus unter besonderer berücksichtigung der herkunft des samens. Ber. Schweiz. Bot. Ges. 41: 199-283. N.1932. no.2.

Koch, W.

Beitrag zur lemnaceen-flora Mittel- und Südamerikas. Ber. Schweiz. Bot. Ges. 41: 113-118. illus. Ap.1932. no.1.

Ber. Schweiz. Bot. Ges. (cont.)

Lüdi, W.

Ueberprüfung der verbreitungsangaben aus dem Berner Mittelland und dem Berner Oberland in der flora der Schweiz von H. Schinz und R. Keller. Ber. Schweiz. Bot. Ges. 40: 56-86. D.1931. no.2.

Beiträge zur floristik des kantons Bern.

Mayor, E.

L'Aecidium hepaticae Beck dans le Jura. Ber. Schweiz. Bot. Ges. 40: 40-55. D.1931. no.2.

Puccinia actaeae-agropyri, P. actaeae-elymi.

Schmid, E.

Ueber den einfluss des lichtes auf die keimung der lebermoossporen. Ber. Schweiz. Bot. Ges. 41: 9-72. illus. Apr.1932. no.1.

Schopfer, W. H.

Recherches expérimentales sur la formation des zygotes chez Phycomyces blakesleeanus. I. Influence des substances vitaminiques. Ber. Schweiz. Bot. Ges. 40: 87-111. illus. D.1931; 41: 73-95. Ap.1932. no.2,1.

Schopfer, W. H.

Recherches sur le facteur de croissance contenu dans le germe de blé. Ber. Schweiz. Bot. Ges. 41: 335-355. N.1932. no.2.

Steinegger, P.

Zytologisch bedingte ei- und zygotensterilität bei triploiden apfelsorten. Ber. Schweiz. Bot. Ges. 41: 119-122. illus. Ap.1932. no.1.

Vorläufige mitteilung.

Tavel, C. von

Zur speziesfrage bei einigen Allium-bewohnenden Uredineen. Ber. Schweiz. Bot. Ges. 41: 123-169. pl.i-ii. Ap.1932. no.1.

Biochem. Journ. (London) (382B52)

Robinson, G. M. & Robinson, R.

A survey of anthocyanins. III. Notes on the distribution of leuco-anthocyanins. Biochem. Journ. 27: 206-212. 1933. no.1.

Bol. Soc. Broteriana (Coimbra) (451C66)

Coutinho, A. X. P.

Basidiomicetas novos para a flora de Portugal. Bol. Soc. Broteriana II, 7: 329-350. ii pl. 1931.

Bol. Soc. Broteriana (cont.)

Fernandes, A.
Estudos nos cromosomas das liliáceas e amarilidáceas. Bol. Soc. Broteriana II, 7: 3-110. illus., xv pl. 1931.

Machado Guimarães, A. L.
Sinopse das briofitas de Portugal. II. (cont.) Bol. Soc. Broteriana II, 6: 180-265. illus. 1930; 7: 169-328. illus. 1931.

Sampaio, G.
Adições e correcções á flora portuguesa. Bol. Soc. Broteriana. II, 7: 111-168, 351-355. 1931.

Bol. Soc. Españ. Hist. Nat. (Madrid) (506M263B)

Cabrera, A. L.
La distribución geográfica del género Micropsis (Compositae). Bol. Soc. Españ. Hist. Nat. 32: 427-434. illus. D.15, 1932. no.9.

Guerrero, P. G.
La asociación Gongrosira-Spongilla en el rio Zujar (Badajoz). Bol. Soc. Españ. Hist. Nat. 32: 449-451. illus. D.15, 1932. no.9.

Miranda, F.
Adiciones y correcciones a la lista de algas marinas de Gijón. Bol. Soc. Españ. Hist. Nat. 32: 435-438. D.15, 1932. no.9.

Unamuno, L. M.
Notas micológicas. III. Algunos micromicetos nuevos o poco conocidos de la flora española. Bol. Soc. Españ. Hist. Nat. 32: 439-448. illus. D.15, 1932. no.9.

Bot. Mus. Leafl. Harvard Univ. (451H262)

Ames, O.
An addition to the genus Epidendrum. Bot. Mus. Leafl. Harvard Univ. 7. 4 p. illus. Ap.24,1933.

Brooklyn Bot. Gard. Leafl. (451B79L)

Free, M.
Methods of plant propagation. Brooklyn Bot. Gard. Leafl. v.21, no.2/6. 18 p. Ap.26, 1933.

Bull. Alpine Gard. Soc. Gt. Brit. (84A16)

Baker, G. P.

Romondia, Haberlea and Jankaea. Bull. Alpine Gard. Soc. Gt. Brit. 1: 14-17. 3 pl. 1930. no.2.

Cowan, J. M.

Cyananthus. Bull. Alpine Gard. Soc. Gt. Brit. 1: 140-149. 4 pl. 1932. no.8.

Duruz, S.

Notes upon Androsaces. Bull. Alpine Gard. Soc. Gt. Brit. 1: 158-162. 3 pl. 1932. no.9.

Giuseppi, P. L.

Some Balkan alpines. Bull. Alpine Gard. Soc. Gt. Brit. 1: 40-45. 3 pl. 1931. no.3.

Ingwersen, W.

European Primulas. Bull. Alpine Gard. Soc. Gt. Brit. 1: 50-65. 8 pl. 1931. no.4.

McLaren, H. D.

Rhododendrons for rock gardens. Bull. Alpine Gard. Soc. Gt. Brit. 1: 106-109. 4 pl. 1931. no.6.

Puddle, F. C.

The Asiatic Primulas. Bull. Alpine Gard. Soc. Gt. Brit. 1: 74-83. 8 pl. 1931. no.5.

Slade, V.

Plants of the central and western Pyrenees. Bull. Alpine Gard. Soc. Gt. Brit. 1: 122-136. 2 pl. 1932. no.7.

Bull. Fan Mem. Inst. Biol. (442.9F21)

Tang, T.

New species and new varieties of Cyperaceae from Szechuan. Bull. Fan Mem. Inst. Biol. 3: 361-363. D.31, 1932. no.20.

C.omiensus, n. sp.

Bull. Mens. Soc. Nat. Hort. France. (Paris) (86So13)

Barthelet, J.

Le blotch fumeux des pommes. Bull. Mens. Soc. Nat. Hort. France 6: 149-150. illus. Mr.1933.

Bull. Soc. Centr. For. Belgique. (99.9B83)

Huet, M.

Détermination de différentes espèces de pins par l'étude anatomiques de l'aiguille. (cont.) Bull. Soc. Centr. For. Belgique 36(ann.40): 107-139. fold.pl. Mr./Ap.1933. no.3/4.

Bull. Soc. Nat. Acclim. France. (Paris) (410.9P21)
Bois, D.
Floraison et fructification des bambous. Bull. Soc. Nat. Acclim. France 80: 97-105. Mr. 1933. no.3.

Canada For. Serv. Circ. (99.9C16C)
Fritz, C. & Rochester, G. H.
Red stain in jack pine. A comparative study of the effect of Trametes pini and a second red-staining fungus on the strength of jack pine. Canada For. Serv. Circ. 37. 15 p. illus. 1933.

Citrus Indust. (Tampa, Fla.) (80C49)
Miller, R.L., Basset, I.P., Thompson, W.L. & English, L. L.
Effect of lime (calcium hydroxide) on the composition of Connor, Valencia, and Satsuma oranges. Citrus Indust. 14(4): 7, 22-23. Ap.1933.

Compt. Rend. Acad. Agr. France (Paris) (14P215Bc)
Arnaud, G. & Gaudineau, Mlle. M.
Sur le traitement de la carie du blé. Compt. Rend. Acad. Agr. France 19: 463-469. Ap.5, 1933. no.13.

Foex, E. & Rosella, E.
Note experimentale sur l'un des piétins du blé. Compt. Rend. Acad. Agr. France 19: 469-474. Ap.5, 1933. no.13.

Compt. Rend. Acad. Sci. Paris (505P21)
Lagatu, H. & Maume, L.
Composition comparée, chez la vigne, de feuilles homologues prises respectivement sur des souches fructifères et sur des souches privées de leur grappes. Compt. Rend. Acad. Sci. Paris 196: 1168-1170. Ap.18, 1933. no.16.

Compt. Rend. Assoc. Franç. Avanc. Sci. (505As7)
Constantin, J. & Lébard, P.
Enquête préliminaire sur la question de la dégénérescence de la pomme de terre. Compt. Rend. Assoc. Franç. Avanc. Sci. 55: 507-511. 1931.

Gillot, P. & Wioland, H.
Application des procédés biochimiques à quelques espèces du genre Potentilla L. Compt. Rend. Assoc. Franç. Avanc. Sci. 55: 409-411. 1931.

Compt. Rend. Assoc. Franc. Avanc. Sci. (cont.)

Gillot, P. & Morisot, A. M.
Sur la composition glucidique du géranium des prés (Geranium pratense L.) Compt. Rend. Assoc. Franç. Avanc. Sci. 55: 415-418. 1931.

Gillot, P. & Vigneron, J.
Variations de quelques glucides dans les organes de reserve de l'Epilobium spicatum Lamk. Compt. Rend. Assoc. Franç. Avanc. Sci. 55: 412-415. 1931.

George, L.
Observations sur Sorbus aria, Sorbus torminalis et leur hybride. Compt. Rend. Assoc. Franç. Avanc. Sci. 55: 234-235. 1931.

George, L.
Sur la répartition géographique des Gnétales. Compt. Rend. Assoc. Franç. Avanc. Sci. 55: 465-467. 1931.

Guinier, P.
La flore de la région de Nancy. Compt. Rend. Assoc. Franç. Avanc. Sci. 55: 467-472. 1931.
Ecological.

Guyot, R.
De l'influence des carbonates de calcium et de magnesium dans les cultures d'armillaires "in vitro". Compt. Rend. Assoc. Franç. Avanc. Sci. 55: 418-422. illus. 1931.

Hulin, V.
Note sur l'évolution de la flore des paturages eleves sous l'action de l'homme et du betail. Compt. Rend. Assoc. Franç. Avanc. Sci. 55: 475-477. 1931.

Nicolas, G.
De l'importance des bactéries en pathologie vegetale. Compt. Rend. Assoc. Franç. Avanc. Sci. 55: 245-249. 1931.

Perrot, E. & Blaise, H.
Sur une rubiacee africaine à alcaloide. Compt. Rend. Assoc. Franç. Avanc. Sci. 55: 432-434. 1931.

Russell, W.
Structure de péricarpe de l'algaroba. Compt. Rend. Assoc. Franç. Avanc. Sci. 55: 249-252. illus. 1931

Compt. Rend. Soc. Biol. Paris. (442.9P21)

Gautheret, R. J.

Nouvelles recherches sur la production de chlorophylle dans des racines exposees a la lumière. Compt. Rend. Soc. Biol. Paris 112: 1321-1324. illus. Ap.10, 1933. no.13.

Guinier, P.

Sur la biologie de deux champignons lignicoles. (Stereum purpureum Pers. et S. hirsutum (Wild) Pers.). Compt. Rend. Soc. Biol. Paris 112:1363-1366. Ap.10, 1933. no.13.

Lenoir, M.

Observations sur la structure du sac embryonnaire a maturité chez l'Allium ursinum. Compt. Rend. Soc. Biol. Paris 112: 1369-1370. Ap.10,1933. no.12.

Mangenot, C.

Sur les plasmodes de Fuligo septica Gmel. Compt. Rend. Soc. Biol. Paris 112: 1160-1164. illus. Ap.1, 1933. no.12.

Rol, R.

Note sur des cultures in vitro de Bryum roseum Schreb. Compt. Rend. Soc. Biol. Paris 112: 1371-1372. Ap.10, 1933. no.13.

Corse Agr. (14C81)

Carlotti, J.

Maladies de la vigne. Corse Agr. 23: 62-71. Ap.1933. no.4.

Le mildiou, l'oidium.

Cyprus Agr. Journ. (Micosia, Cyprus)

The Diplodia rot of citrus fruits. A possible menace to the Cyprus citrus industry. Cyprus Agr. Journ. 28: 24-27. illus. Mr.1933.

Cytologia. (Tokyo) (442.8C99)

Adati, S.

Untersuchungen über die chromosomenzahlen bei asiatischen wilden Pyrus-arten. Cytologia (Tokyo) 4: 182-188. illus. Mr.1933. no.2.

Backer, W. A.

Vitalbeobachtungen über den einfluss von methylenblau und neutralrot auf den verlauf von karyo- und zytokinese. Beitrag zur pathologie der mitose. Cytologia (Tokyo) 4: 135-157. illus. pl.4. Mr.1933. no.2.

Cytologia. (Tokyo) (cont.)

Milovidov, P. F.

Independence of chondriosomes from nuclear matter. Cytologia (Tokyo) 4: 158-173. Mr.1933. no.2.

Shinke, N. & Shigenaga, M.

A histochemical study of plant nuclei in rest and mitosis. Cytologia (Tokyo) 4: 189-221. illus. Mr.1933. no.2.

Wada, B.

Mikrodissektion der chromosomen von Tradescantia reflexa. Cytologia (Tokyo) 4: 222-227. pl.5. Mr.1933. no.2.

Ecol. Monogr. (Durham.) (410Ec72)

McBryde, J. B.

The vegetation and habitat factors of the Carrizo sands. Ecol. Monogr. 3: 247-297. illus. Ap. 1933. no.2.

Vegetation occupying a narrow strip of homogeneous soil extending from Carrizo Springs on the Rio Grande 450 miles northeast to Cass.Co. thence southward to Nacogdoches.

Whitfield, C. J.

The vegetation of the Pike's Peak region. Ecol. Monogr. 3: 75-105. illus. Ja.1933. no.1.

Woodbury, A. M.

Biotic relationships of Zion Canyon, Utah with special reference to succession. Ecol. Monogr. 3; 147-245. illus. Ap.1933. no.2.

A survey of the geological, botanical, and zoölogical interrelationships within a part of Zion National Park, Utah.

Ecology. (Brooklyn, N.Y.) (410Ec7)

Bartlett, H. H.

The nomenclature of plant associations. Ecology 14: 157-162. Ap.1933. no.2.

Eisele, H. F. & Aikman, J. M.

The development and survival of species and varieties in planted pastures. Ecology 14: 123-135. illus. Ap.1933. no.2.

Ecology. (cont.)

Heyward, F.

The root system of longleaf pine on the deep sands of Western Florida. Ecology 14: 136-148. illus. Ap.1933. no.2.

Roberts, E. A.

The development of an out-of-door laboratory for experimental ecology. Ecology 14: 163-223. illus. Ap.1933. no.2.

Four acres of land granted by trustees of Vassar College to Dept. of botany, in 1920, popularly known to students as the Dutchess County Ecological Laboratory.

Shelford, V. E.

The preservation of natural biotic communities. Ecology 14: 240-245. Ap.1933. no.2.

Wilde, S. A.

The relation of soils and forest vegetation of the Lake states region. Ecology 14: 94-105. illus. Ap.1933. no.2.

Erdész. Kiseørl. (Hungary) (99.9Er22)

Bokor, R.

Szikes talajaink mikroflóraja tekintettel azok megjavitasara. (Die mikroflora der Szik-, (Salz-) oder alkaliböden mit besonderer berücksichtigung ihrer fruchtbarmachung) II. Erdész. Kisérl. (Hungary) 34: 64-93. 1932. no.1/4.

German summary: p.83-93.

Fehér, D., Kiss, L. & Kiszely, Z.

Vizsgalatok nehány közönsegesebb erdötipus noveny-asszociacios viszonyairol, különös tekintettel az erdötalaj savanyusaganak idöszaki valtozasaira. (Untersuchungen über die pflanzenassoziationsverhältnisse einiger mittel- und nordeuropäischer waldböden mit besonderer berücksichtigung der jahreszeitlichen schwankungen der bodenazidität). Erdesz. Kisérl. (Hungary) 34: 1-63. 1932. no.1/4.

German summary: p.61-63.

Kiss, L.

Megfigyelések egyes növényeknek az 1932. év koso öszen bekövetkezett masodviragzasarol. (Beobachtungen über die nachblüte einer wald- und wiesenpflanzen im herbst 1932). Erdész. Kisérl. (Hungary) 34: 198-204. 1932. no.1/4.

German summary: p.204.

Ernähr. Pflanze. (Berlin) (57.8Er6)
Kling, M. & Jürgens, W.
Ein interessanter unkrautbekämpfungs-versuch mit hederich-kainit zu hafer. Ernähr. Pflanze 29: 145-147. illus. Ap.15, 1933. no.8.

Forstarchiv. (Hannover) (99.8F7723)
Wettstein-Westersheim, W. von
Züchtungsversuche mit forstpflanzen. Forstarchiv. 9: 127-129. illus. Ap.15, 1933. no.8.

Fortschr. Landw. (Vienna) (19F77)
Greisenegger, I. K. & Neudecker, B.
Ueber formveränderungen der kartoffelknollen während des wachstums und des vortreibens auf die knollenentwicklung. Fortschr. Landw. 8: 169-174. illus. Ap.15, 1933. no.8.

Günther, E.
Die entgiftung des duwocks. Fortschr. Landw. 8: 177-179. Ap.15, 1933. no.8.
Equisetum palustre.

Gard. Chron. (London) (80G162)
Balls, E. K.
Plant hunting in Persia. Gard. Chron. III, 93:12-14. Ja.7,1933. no.2402.

Comber, H. F.
Raising rhododendrons from seeds. Gard. Chron. III, 93: 9-10. Ja.7,1933. no.2402.

Friend, H.
Herbs and herbalists. IV. Chinese herbal lore. Gard. Chron. III, 93: 260-261. Ap.15,1933. no.2416.

Gardner, R.C.B.
Sodium chlorate as a weed-killer. Gard. Chron. III, 93: 14-15. Ja.7, 1933. no.2402.

Grove, A.
Hybrid lilies. IX. Luther Burbank's work. Gard. Chron. III, 93: 6-7. illus. Ja.7, 1933. no.2402.

Ingram, C.
Gladiolus tenellus. Gard. Chron. III, 93: 263, illus. Ap.15, 1933. no.2416.

Ingwerson, W.
A few Corsican plants. Gard. Chron. III, 93: 277-278. Ap.22, 1933. no.2417.

Gard. Chron. (cont.)

Johnson, A. J.
Saxifrages in woodland. Gard. Chron. III, 93: 15. Ja.7, 1933. no.2402.

McDade, C.
Irises in America. Gard. Chron. III, 93: 265-266,279-280. Ap.15,22, 1933. no.2416,2417.

Ward, F. K.
Mr. F.Kingdon Ward's eleventh expedition. XX, XXVII. Gard. Chron. III, 93: 8-9, 276-277. illus. Ja.7, Ap.22, 1933. no.2402, 2417.

Genetics (442.8G28)

Lindstrom, E. W. & Humphrey, L. M.
Comparative cyto-genetic studies of tetraploid tomatoes from different origins. Genetics 18: 193-209. illus. My.1933. no.3.

Hadar (Jaffa) (80H11)

Braverman, J. S.
The chemical composition of the orange. Hadar 6: 62-65. Mr.1933. no.3.

Eig, A.
Palestinian honey-yielding plants. Hadar 6: 60-62. Mr.1933. no.3.

Hawaiian Plant. Rec. (Honolulu) (25H311)

Caum, E. L.
The bindweed. Hawaiian Plant. Rec. 37: 19-25. illus. 1933. no.1.

Hartt, C. E.
Studies of the invertase of sugar cane. Hawaiian Plant. Rec. 37: 13-14. 1933. no.1.
A preliminary report.

Martin, J. P. & Eckart, R. C.
The effect of various intensities of light on the growth of the H 109 variety of sugar cane. Hawaiian Plant. Rec. 37: 53-66. illus. 1933. no.1.

Weller, D. M. & Mangelsdorf, A. J.
Chromosomes of sugar cane. Hawaiian Plant. Rec. 37: 26-31. illus. 1933. no.1.

Ital. Agr. (Milan) (161.61)

Guzzini, D.

Gli aranci della Sicilia. Ital. Agr. 70: 293-314. illus., 2 col.pl. Mr.1933. no.3.

Savastano, G.

Gli sviluppi più recenti delle ricerche sulle malattie degli agrumi in Italia. Ital. Agr. 70: 341-347. Mr.1933. no.3.

Jahrb. Wiss. Bot. (Leipzig) (450P93J)

Kattermann, G.

Weitere zytologische untersuchungen an Briza media mit besonderer berücksichtigung der durch verbände aus vier chromosen ausgezeichneten pflanzen. Jahrb. Wiss. Bot. 78: 43-91. illus. 1933. no.1.

Maier, W.

Das keimungsphysiologische verhalten von Phleum pratense L., dem timotheegras. Jahrb. Wiss. Bot. 78: 1-42. 1933. no.1.

Schwarz, W.

Die strukturänderungen sprossloser blattstecklinge und ihre ursachen. Ein beitrag zur kausalanalyse der gewebebildung. Jahrb, Wiss. Bot. 78: 92-155. illus. 1933. no.1.

Experiments with Coleus hybridus, Nerium oleander, etc.

Journ. Amer. Pharm. Assoc. (396.9Am33J)
(see also p.18)

Lloyd, J. T.

Peyote, the divine plant of certain Indian tribes. Journ. Amer. Pharm. Assoc. 22: 331-333. Ap. 1933. no.4.

Journ. Agr. Res. (Washington) (1Ag84J)

Anderson, A. K., Everitt, E. L. & Adams, P. D.

The carbon metabolism of Fusarium oxysporum on glucose. Journ. Agr. Res. 46: 473-482. Mr.1, 1933. (Recd Ap.21) no.5.

Clark, J. A. & Quisenberry, K.S.

Inheritance of bunt reaction and other characters in Hope wheat crosses. Journ. Agr. Res. 46: 413-425. Mr.1, 1933.(Rec'd Ap.21) no.5.

Journ. Agr. Res. (cont.)

Culpepper, C. W. & Moon, H. H.

Composition of rhubarb at different stages of maturity in relation to its use in cooking and canning. Journ. Agr. Res. 46: 387-402. Mr.1, 1933. (Rec'd Ap.21) no.5.

Davidson, J.

The possible effect of hydrogen-ion concentration on the absorption of potassium and phosphorus by wheat plants under field conditions. Journ. Agr. Res. 46: 449-453. Mr.1,1933 (Rec'd Ap.21) no.5.

Markley, K.S. & Sando, C.E.

Progressive changes in the cuticle of apples during growth and storage. Journ. Agr. Res. 46: 403-412. Mr.1, 1933 (Rec'd Ap.21) no.5.

Robertson, D. W. & Lute, A.M.

Germination of the seed of farm crops in Colorado after storage for various periods of years. Journ. Agr. Res. 46: 455-462. Mr.1, 1933(Rec'd Ap.21) no.5.

Steiner, Gotthold

Rhabditis lambdiensis, a nematode possibly acting as a disease agent in mushroom beds. Journ. Agr. Res. 46: 427-435. illus. Mr.1, 1933. (Rec'd Ap.21) no.5.

Journ. Amer. Chem. Soc. (381Am33J)

Sullivan, B. & Howe, M. A.

Lipases of wheat. I. Journ. Amer. Chem. Soc. 55: 320-324. Ja.1933. no.1.

Journ. Amer. Pharm. Assoc. (Easton, Pa.) (396.9Am33J)
(see also p.17)

Lynn, E. V. & Nakaya, S.

The leaf oils of Washington conifers. VI. Abies nobilis. Journ. Amer. Pharm. Assoc. 22: 305-306. Ap.1933. no.4.

Journ. Arnold Arb. (Cambridge, Mass.) (451Ar6J)

Ames, O.

Additional notes on the orchids of the New Hebrides and Santa Cruz Island. Journ. Arnold Arb. 14: 101-112. Ap.1933. no.2.

Chester, K.S. & Whitaker, T. W.

Studies on the precipitin reaction in plants. III. A biochemical analysis of the normal precipitin reaction. Journ. Arnold Arb. 14: 118-197. Ap.1933. no.2.

Journ. Arnold Arb. (cont.)

Whitaker, T. W.

The chromosome complement of Cyphomamdra betacea. Journ. Arnold Arb. 14: 113-117. illus. Ap.1933. no.2.

Journ. Bd. Greenkeep. Res. Brit. Golf Unions. (Binglay, Yorks) (60.19B772)

Dawson, R. B.

Common weeds of turf. (cont.) Journ. Bd. Greenkeep. Res. Brit. Golf Unions 3: 44-48. 4 pl. on 2. 1933. no.8.

Lewis, I. G.

A greenkeeper's guide to the grasses. 2. The genus Festuca. Journ. Bd. Greenkeep. Res. Brit. Golf Unions 3: 39-43. illus., 2 pl. on 1. 1933. no.8.

Sampson, K.

Note on the occurrence of a new species of Olpidium in the root hairs of Agrostis. Journ. Bd. Greenkeep. Res. Birt. Golf Unions 3: 32-33. 1933. no.8.

O. agrostidis n.sp. described in Trans. Brit. Myc. Soc. 17:182-194, 1932.

Journ. Bot. (London), (450J82)

Britton, C. E.

British Polygona, section Persicaria. Journ. Bot. 71: 90-98. Ap.1933. no.844.

Groves, J.

The English name of Spartina townsendii. Journ. Bot. 71: 103-104. Ap.1933. no.844.

Author enters decided protest against misnomer "rice grass".

Jackson, A.B. & Jackson, A. K.

Alderney plants. Journ. Bot. 71: 106-107. Ap.1933. no.844.

A few additions to Marquand's Flora of the Channel Islands.

Mr. John Gossweiler's plants from Angola and Portuguese Congo. Dicotyledones, Gamopetalae (concl.) Journ. Bot. 71(Suppl.): 169-175. Ap.1933. no.844.

Tinnea ochracea sp.nov.

Pugsley, H. W.

Notes on British Euphrasias. III. Journ. Bot. 71: 83-90. Ap.1933. no.844.

Journ. Bot. (cont.)

Scully, R. W.
Does Juncus trifidus occur in Ireland? Journ. Bot. 71: 104. Ap.1933. no.844.
On summit of Carrantnohill, Reeks, Co. Kerry, July 1910.

Tutin, T. G.
On Ilex perado Ait. and Notelaea excelsa. Journ. Bot. 71: 99-101. Ap.1933. no.844.
N. azorica sp.nov.
Notes from the Univ. Herbarium, Cambridge.

Journ. Indian Bot. Soc. (Madras) (450J821)

Allen, G. O.
Charophyte notes from Agra, U.P. Journ. Indian Bot. Soc. 12: 17-19. pl. Ja.1933. no.1.

Bhaduri, P. N.
Chromosome numbers of some solanaceous plants of Bengal. Journ. Indian Bot. Soc. 12: 56-64. illus. Ja.1933. no.1.

Biswas, K.
The distribution of wild conifers in the Indian Empire. Journ. Indian Bot. Soc. 12:24-47. fold.map, pl. Ja.1933. no.1.

Boergesen, F.
Some Indian green and brown algae especially from the shores of the presidency of Bombay. III. Journ. Indian Bot. Soc. 12: 1-16. illus., pl.i-v. Ja.1933. no.1.

Joshi, A. C.
Perennation and vegetative reproduction in Zeuxine sulcata Lindley. Journ. Indian Bot. Soc. 12: 20-23. illus. Ja.1933. no.1.

Maheshwari, P.
Dr. Winfield Dudgeon. Journ. Indian Bot. Soc. 12: 70-76. port. Ja.1933. no.1.

Sahni, B.
On some abnormal leaves of Ginkgo. Journ. Indian Bot. Soc. 12: 50-55. illus. Ja.1933. no.1.

Singh, T.C.N.
The scent and colour of flowers in relation to bird-pollination. Journ. Indian Bot. Soc. 12: 65-68. Ja.1933. no.1.

Journ. Indian Bot. Soc. (cont.)
Sinha, B. N.
A note on the variation of leaf in railway creeper. Journ.Indian Bot. Soc. 12: 48-49. illus. Ja.1933. no.1.
Ipomoea pulchella.

Journ. Sapporo Soc. Agr. & For. (J22.5So1)
Tatewaki, M.
A list of plants, Zenibako, Prov. Shirbeshi. II. Journ. Sapporo Soc. Agr.&For. 24: 295-324. Mr.1933. no.112.
Japanese.

Journ. Sci. Hiroshima Univ. Ser. B, Div. 2(Botany) (451H61)
Horikawa, Y.
Studies in the Hepaticae of Japan. VIII. Journ. Sci. Hiroshima Univ. Ser. B, Div. 2(Botany) 1: 197-205. illus., pl.25. Mr.1933.

Kisitani, T.
Zur morphologie und biologie einer leuchtbakterienart (Pseudomonas phosphorescens Kisitani). Journ. Sci. Hiroshima Univ. Ser. B, Div.2,(Botany) 1: 183-196. illus., pl.23-24. Mr.1933.

Tatuno, S.
Geschlechtschromosomen bei einigen lebermoosen. I. Journ. Sci. Hiroshima Univ. Ser. B, Div.2. (Botany) 1: 165-182. illus. Mr.1933.

Kakteenk. Deut. Kakteen-Ges. (451D482)
Bödeker, F.
Ueber Mammillaria (Coryphanta) robustispina Schott. Kakteenk. Deut. Kakteen-Ges. 1933: 73. illus. Ap.1933. no.4.

Nel, G. C.
Zwei neue asclepiadaceen aus dem Bot. garten d. Univ. Stellenbosch. Kakteenk. Deut. Kakteen-Ges. 1933: 69-71. illus. Ap.1933. no.4.
Stapelia herrei, Trichocaulon kubusense.

Rudolph, H.
Vorbereitungen zum pfropfen. Kakteenk. Deut. Kakteen-Ges. 1933: 64-65. Ap.1933. no.4.

Weingart, W.
Zwei neue opuntien aus Peru. Kakteenk. Deut. Kakteen-Ges. 1933: 70-73. illus. Ap.1933. no.4.
Opuntia udonis, O. verticosa.

Kartoffel, Zeitschr. Kartoffelbauges. (Berlin) (75.8K142)
Schlumberger, O.
Die eisenfleckigkeit der kartoffel. Kartoffel, Zeitschr. Kartoffelbauges 13: 84-85. illus. Ap.16, 1933. no.8.

Der Kulturtechn. (Breslau) (18K95)
Koehne, W.
Die kräfte, durch die pflanzen wasser aus dem boden aufnehmen. Der Kulturtechn. 36: 4-9. Ja./Mr. 1933. no.1.

Madras Agr. Journ. (22M262)
Krishna Ayyar, P. N.
Some experiments on the control of the root-gall nematode in South India. Madras Agr. Journ. 21: 97-107. pl. Mr.1933. no.3.

Magyar Bot. Lap. (Budapest) (450M272)
Bornmüller, J.
Zur flora von Montenegro, Albanien und Mazedonien. Magyar Bot. Lap. 32: 109-144. 1933. no.1/6.

Degen, A.v.
A Dianthus pinifolius S. S.-nak két keletbalkáni alfajáról. (Ueber zwei ostbalkanischenrassen des Dianthus pinifolius S. S.) Magyar Bot. Lap. 32: 64-65. 1933. no.1/6.
Bemerkungen über einige orientalische pflanzenarten. XCII.
Ssp. hermanni, thracicus, Latin diagnoses.

Degen, A.v.
Frivaldszky imre blakánfélszigeti rózsáinak revizíója. (Revision der von Emerich v. Frivaldszky auf der Balkanhalbinsel gesammelten Rosen).
Magyar Bot. Lap. 32:66-71. 1933. no.1/6.
Bermerkungen über einige orientalische pflanzenarten. XCIII.
In German.

János, H.
A Micromeria rupestris Wulf. a Bélkön és néhány érdekesebb adat a Magyar középhegység flórájából. (Das vorkommen der Micromeria rupestris Wulf. auf dem berg Bélkó im Bükkgebirge und einige interessantere pflanzenfunde auf dem Ungar. mittelgebirge). Magyar Bot. Lap. 32: 77-83. 1933. no.1/6.
Hungarian.

Magyar Bot. Lap. (cont.)

Kümmerle, J. B.

Die paraguayanischen pteridophyten-sammlungen J. Daniel Anisits's. Magyar Bot. Lap. 32: 58-63. 1933. no.1/6.

Margittai, A.

Additamenta ad floram Carpatorum septentrionali-orientalium. Magyar Bot. Lap. 32: 95-104. 1933. no.1/6.

Pénzes, A.

Adatok Budapest adventiv flórájához, különös tekintettel a Duna szerepére. (Beiträge zur adventiv-flora von Budapest, mit besonderer rücksicht auf die rolle der Donau). Magyar Bot. Lap. 32: 84-90. pl.ii-iii. 1933. no.1/6.

Hungarian with German summary.

Pénzes, A.

Oekologiai és teratologiai megfigyelések áradásos területeken. (Pflanzenökologische und teratologische beobachtungen auf dem Donau-inundations-gebiet). Magyar Bot. Lap. 32: 91-95. illus., pl. iv-v. 1933. no.1/6.

Hungarian with German summary.

Polgár, S.

Ujabb adatok Györ adventif flórájához. (Neue beiträge zur adventivflora von Györ. (Westungarn). IV. Magyar Bot. Lap. 32: 71-77. 1933. no.1/6.

In German.

Rechinger, K. H., jr.

Ergebnisse einer botanischen reise nach Bulgarien. Magyar Bot. Lap. 32: 5-58. pl. i. 1933. no.1/6.

Thalictrum rhodopaeum. n. sp.

Stojanoff, N. & Stefanoff, B.

Zwei neue pflanzenarten aus Bulgarisch-Mazedonien. Magyar Bot. Lap. 32: 1-5. illus. 1933. no.1/6.

Dianthus simulans, Galium pedunculatum.

Zoltán, K.

Ujabb adatok Sopronvármegye flórájához. (Neue beiträge zur kenntnis der flora des komitates Sopron). Magyar Bot. Lap. 32: 105-106. 1933. no.1/6.

Hungarian.

Mem. Coll. Agr. Kyoto Imp. Univ. (107.6K994)

Matsumoto, K.
Zür kritik der kryptogonomerie-theorie von Bleier. Mem. Coll. Agr. Kyoto Imp. Univ. 25: 1-10. illus. Mr.1933.

Uchikawa, I.
Karyological studies in Japanese bamboo. I. The chromosome numbers of several species. Mem. Coll. Agr. Kyoto Imp. Univ. 25: 11-20. illus. Mr.1933.

Mitt. Bundesanst. Pflanzensch. Wien. (4649V672M)

Fischer, R.
Der gitterrost der birnbäume. Mitt. Bundesanst. Pflanzensch. Wien 223. [1] p. 1933.

Fischer, R.
Die kohlhernie und ihre bekämpfung. Mitt. Bundesanst. Pflanzensch. Wien. 222. [2] p. 1933.

Hengl, F.
Der falsche mehltau des weines(Peronospora). Mitt. Bundesanst. Pflanzensch. Wien 221. [2] p. 1933.

Pichler, F.
Saatgutbeizen. Mitt. Bundesanst. Pflanzensch. Wien. 2 aufl. 167. [2] p. 1933.

Mitt. Deut. Landw. Ges. (Berlin) (18D48M)

Appel, O.
Die züchtung krankheitswiderstandsfähiger sorten. Mitt. Deut. Landw. Ges. 48: 304-305. illus. Ap.15, 1933. no.15.

Blunck, H.
Die bekämpfung der getreideschädlinge und krankheiten. Mitt. Deut. Landw. Ges. 48: 306-308. illus. Ap.15, 1933. no.15.

Schlumberger, O.
Kartoffelkrankheiten und ihre bekämpfung. Mitt. Deut. Landw. Ges. 48: 317-320. illus. Ap.15, 1933. no.15.

Snell, K.
Die bedeutung der sortenkunde für den pflanzenschuss. Mitt. Deut. Landw. Ges. 48: 305. illus. Ap.15, 1933. no.15.

Mitt. Deut. Landw. Ges. (cont.)
Spieckermann, A.
Saatgutbeizung und lohnbeizkontrolle. Mitt. Deut. Landw. Ges. 48: 310-312. illus. Ap.15, 1933. no.15.

Nat. Hist. (N.Y.) (500N483J)
Merrill, E. D.
Crops and civilizations. Cultivated plants and the origins of civilizations. Nat. Hist. 33: 235-250. illus. My./Je.1933. no.3.

Nat. Hort. Mag. (Washington, D.C.) (81N219)
Alexander, E. J.
Iris chrysophoenicia. Nat. Hort. Mag. 12: 77. Ap.1933. no.2

DeBevoise, F.
Saxifrage notes. IV. Nat. Hort. Mag. 12: 129-133. illus. Ap.1933. no.2.

McFarland, J. H.
Climbing roses. Nat. Hort. Mag. 12: 86-93. illus. Ap.1933. no.2.

Reed, C. A.
Nut culture in the Northeast. Nat. Hort. Mag. 12: 121-128. Ap.1933. nop2.

Rowntree, L.
The California manzanitas. Nat. Hort. Mag. 12: 96-101. illus. Ap.1933. no.2.

Ryerson, K. A.
The Carissa or Natal plum. Nat. Hort. Mag. 12: 154-158. illus. Ap.1933. no.2.

Sherrard, D.
Kalmiopsis leachiana Rehd. Nat. Hort. Mag. 12: 172-174, 176. illus. Ap.1933. no.2.

Slavin, A. D.
Species of arbor-vitae. Nat. Hort. Mag. 12: 136-146. illus. Ap.1933. no.2.

Nat. Canad. (Quebec) (410N216)
Prat, H.
Les zones de végétation et les faciès des rivages de l'estuaire du Saint-Laurent, au voisinage de Trois-Pistoles. Nat. Canad. 60: 93-136. illus. Ap.1933. no.4.

Naturwissensch. (Berlin) (474N213)
Shibata, K. & Yakushiji, E.
Der reaktionsmechanismus der photosynthese. Naturwissensch. 21: 267-268. Ap.7, 1933. no.14.

Neuheit. Geb. Pflanzensch. (Wien) (464.9V672)
Fischer, R.
Die ursachen der winterfrostschäden 1931/32. Neuheit. Geb. Pflanzensch. 26: 25-28. Ap.1933. no.2.

New Jersey State Hort. Soc. News. (81N46)
Blake, M. A.
Bud killing of peaches at New Brunswick is helpful. New Jersey State Hort. Soc. News 14: 493, 501. Mr.1933. no.3.

McLean, H.C. & Weber, A. L.
The results of spray residue studies on vegetables in 1932. New Jersey State Hort. Soc. News 14: 490, 491. Mr.1933. no.3.

North West. Nat. (Arbroath, Scotland) (410N81)
Elliot, G. F. S.
The blackthorn, Prunus spinosa L. North West. Nat. 8: 27-33. Mr.1933. no.1.

Peking Nat. Hist. Bull. (513P36)
Ching, R. C.
The present status of our knowledge of Chinese ferns. Peking Nat. Hist. Bull. 7: 253-273. Mr. 1933. no.3.

Pharm. Journ. (London) (396.8P49)
Kirkby, W.
The nomenclature of plants. A study of English plant names. Pharm. Journ. 130(IV,76): 340-341. Ap.22, 1933. no.3625.

Phytopath. (464.8P56)
Bressman, E.N. & Barss, H.P.
Experiments with head smut of corn in western Oregon. Phytopath. 23: 396-403. illus. Ap. 1933. no.4.

Dickinson, S.
The technique of isolation in microbiology. Phytopath. 23:357-367. illus. Ap.1933. no.4.

Phytopath. (cont.)

Greaney, F.J. & Machacek, J.E.
The production of a white fertile saltant of Helminthosporium sativum by means of ultra-violet radiation. Phytopath. 23: 379-383. illus. Ap.1933. no.4.

Jenkins, A. E.
Application of the terms anthracnose and scab to plant diseases caused by Sphaceloma and Gloeosporium. Phytopath. 23: 389-395. illus. Ap.1933. no.4.
Suggests use of anthracnose for necrotic and hypoplastic diseases with somewhat restricted lesions, and scab for hyperlastic diseases with scab-like lesions.

Koch, K. L.
The nature of potato rugose mosaic. Phytopath. 23: 319-342. illus. Ap.1933. no.4.

Morris, R. T.
A hitherto unreported blight of the Juglandaceae. Phytopath. 23: 407-408. Ap.1933. no.4.
Undetermined, attacking hybrid between Juglans regia and J. cinerea.

Peltier, G. L.
Physiologic forms of wheat stem rust in Kansas and Nebraska. Phytopath. 23: 343-356. Ap.1933. no.4.

Schuster, C.E. & Miller, P. W.
A disorder of Persian (English) walnuts grafted on black-walnut stocks, resulting in girdling. Phytopath. 23: 408-409. Ap.1933. no.4.

Stevens, N. E.
How plant pathology can contribute to a land-utilization program. Phytopath. 23: 404-406. Ap. 1933. no.4.

Voorhees, R. K.
Gibberella moniliformis on corn. Phytopath. 23: 368-378. illus. Ap.1933. no.4.

Weber, G. F.
Occurrence and pathogenicity of Nematospora spp. in Florida. Phytopath. 23: 384-388. illus. Ap.1933. no.4.

Prilozh. Trudy Prikl. Bot. Gen. i Selek. (Suppl. Bull. Appl. Bot., Gen. & Plant-Breed.)

Ivanov, N. N. ed.

Problema bezalkaloidnogo liûpina (Problem of the alkaloidless lupin). Prilozh. Trudy Prikl. Bot., Gen. i Selek. (Suppl. Bull. Appl. Bot., Gen. & Plant-breed.) 54. 63 p. illus. 1932. (60.3Iv1)

Ivanov, N.N. Biochemical research of the alkaloidless lupin. - Fedotov, V. S. Preliminary results of the searches for alkaloidless lupins. - Sharapov, N.I. Searches for the alkaloidless form of lupins. - Ivanov, N.N. & Smirnova, M.I. Directions for the use of colour reaction in the search of alkaloidless lupins. - Zhukovsky, P.M. The world resources of lupins.

Proc. & Papers Intern. Congr. Soil Sci. 2d, Leningrad - Moscow, 1930 (56.9In842P)

Allison, R. V. & Dachnowski-Stokes, A. P.

Physical and chemical studies upon important profiles of organic soils in the Florida Everglades. Proc. & Papers Intern. Congr. Soil Sci. 2d, Leningrad - Moscow, 1930. 6: 222-245. illus. 1932.

Aso, K.

On the different behavior of barley and rice towards the reaction of soils. Proc. & Papers Intern. Congr. Soil Sci.2d, Leningrad- Moscow, 1930. 4: 14-18. illus. 1932.

Beaumont, A. B.

The toxicity of ammonium compounds for tobacco. Proc. & Papers Intern. Congr. Soil Sci. 2d, Leningrad, - Moscow, 1930. 4: 65-78. illus. 1932.

Dokturovsky, V. S.

Niederungsmoore im süden der UdSSR. Proc. & Papers Intern. Congr. Soil Sci. 2d, Leningrad - Moscow, 1930. 6: 292-296. 1932.

Vavilov, N. I.

The world centres of the origin of agriculture and the soil map of the world. Proc. & Papers Intern. Congr. Soil Sci. 2d, Leningrad - Moscow, 1930. 4: 81-85. 1932.

Proc. Biol. Soc. Washington (500W272)
Maxon, W. R.
Fern miscellany. II. Proc. Biol. Soc. Washington 46: 105-108. Ap.27, 1933.

Morton, C. V.
A new species of Peltostigma from Mexico. Proc. Biol. Soc. Washington 46: 83-84. Ap.27, 1933.
Peltostigma eximium.

Morton, C. V.
A new species of Rajania from Cuba. Proc. Biol. Soc. Washington 46: 85-86. Ap.27,1933.
Rajania wilsoniana.

Morton, C. V.
Two new species of Hiraea from Colombia. Proc. Biol. Soc. Washington 46: 87-90. Ap.27, 1933.
H. sanctae-marthae, H. colombiana.

Proc. Imp. Acad. Tokyo (513T576)
Kuroda, C. & Wada, M.
The colouring matter of eggplant (nasu) Proc. Imp. Acad. Tokyo 9: 51-52. F.1933. no.2.
"... of the anthocyan group".

Proc. Ohio State Hort. Soc. (810h3)
Ricks, G.
Success and failure in spraying for scab and codling moth. Proc. Ohio State Hort. Soc. 66(1933): 23-43. illus. 1933.

Winter, H. F.
Controlling raspberry diseases. Proc. Ohio State Hort. Soc. 66(1933): 164-167. 1933.

Young, H. C.
Zinc sulfate in the peach spraying schedule. Proc. Ohio State Hort.Soc. 66(1933): 21-23. 1933.

Proc. State Hort. Assoc. Penn. (Harrisburg) (81P38)
Fletcher, S. W.
A history of fruit growing in Pennsylvania. III. The fruit growing of our times (1887-1932). Proc. State Hort. Assoc. Penn. 74: 53-76. 1933.

Proc. State Hort. Assoc. Penn. (cont.)

Kirby, R. S., Thurston, H. W. & Lauer, K.W.
Peach brown rot, scab, and leaf curl.
State Hort. Assoc. Penn. 74: 6-8. 1933.
Report of the committee on plant diseases.

Verner, L.
After effect of the drought years. Proc.
State Hort. Assoc. Penn. 74: 14-19. 1933.
On apple.

Protoplasma (Leipzig) (442.8P94)

Germ, H.
Untersuchungen über die systrophische inhaltsverlagerung in pflanzenzellen nach plasmolyse. III.
Protoplasma 18: 260-280. illus. Mr.1933. no.2.

Homès, M. V.
La pe-ne-tration des chlorures dans les cellules de la racine charnue du navet, Brassica campestris L. rapifera Metzg. Protoplasma 18: 161-193.
Mr. 1933. no.2.

Steward, F. C.
The absorption and accumulation of solutes by living plant cells. V. Observations upon the effects of time, oxygen and salt concentration upon absorption and respiration by storage tissue.
Protoplasma 18: 208-242. Mr.1933. no.2.

Quart. Journ. For. (London) (99.8Q42)

Burtt Davy, J.
The cricket-bat willow problem. Quart.
Journ. For. 26: 289-303. 6 pl. on 3. O.1932. no.4.
S. alba var. caerulea.

Elm diseases. The present position. Quart.
Journ. For. 27: 52-54. illus. (maps) Ja.1933. no.1.

Turner, J. H.
Trees for autumn colour. Quart. Journ. For.
27: 28-31. Ja.1933. no.1.

Repert. Spec. Nov. Beih. (Dahlem bei Berlin) (450R29B)

Cufodontis, G.
Kritische revision von Senecio sectio
Tephroseris. Repert. Spec. Nov. Beih. v.70,
no.1. 96 p. F.1,1933.

Rep. Dept. Agr. Centr. Prov. India. (107N13A)
Dastur, J. F.
Annual report of the mycological section for the year ending the 31st of March 1931. Rep. Dept. Agr. Centr. Prov. [India] 1931/32: 29-35. 1932.

Rev. Agr. Com. y Trab. Cuba (Habana) (8Ag88Re)
Roig, J. T.
Hierbas y otras plantas dañinas en Cuba. Rev. Agr. Com. y Trab. Cuba 14(9): 108-131. Mr.1933. no.9.

Rev. Hort. (Paris) (80R32)
Jahandiez, E.
Les plantes grasses autres que les cactées,les euphorbes cactiformes. Rev. Hort. 105: 369-370. illus. Ap.16, 1933. no.16.

Jarry-Desloges, R.
Contribution a l'étude des Carica des règions tempérées. Rev. Hort. 105: 366-367. Ap.16, 1933. no.16.

Riv. Patol. Veg. (Paris) (464.8R52)
Bruschetti, C.
Sulla capacità germinativa delle uredospore di ruggini del grano. Riv. Patol. Veg. 23: 33-36. Ja./F. 1933. no.1/2.

Corneli, E.
Deperimento e morte di cipressi A.S. Giovanni di Pantano (Perugia). Riv. Patol. Veg. 23: 15-16. Ja./F.1933. no.1/2.

Corneli, E.
Fenomeni di avvizzimento prodotti dal fulmine su viti. Riv. Patol. Veg. 23: 37-41. Ja./F. 1933. no.1/2.

Corneli, E.
Mal del mosaico su patate. Riv. Patol. Veg. 23: 51. Ja./F.1933. no.1/2.

Corneli, E.
Rilievi sullo sviluppo delle ruggini sul frumento. Riv. Patol. Veg. 23: 17-25. Ja./F. 1933. no.1/2.

Riv. Patol. Veg. (cont.)

Corneli, E.

Moria degli olmi prodotta da Graphium ulmi Schwarz. Riv. Patol. Veg. 23: 27-31. pl. i-ii. Ja./F. 1933. no.1/2.

Paoletti, V.

Osservazioni ed esperimenti orientativi di lotta contro la rogna dell'olivo. Riv. Patol. Veg. 23: 47-50. Ja./F.1933. no.1/2.

Rivera, V.

Rilievi fitopatologici fatti nelle annate 1930-32 al laboratorio ed osservatorio di patologia vegetale del R. Instituto superiore agrario di Perugia. Riv. Patol. Veg. 23: 1-13. Ja./F. 1933. no.1/2.

Tini, G.

Prove di germinazione di spore di Oidium quercinum. Riv. Patol. Veg. 23: 43-45. Ja./F. 1933. no.1/2.

Science News Letter (470Sci24)

Hybrid oak bears two kinds of acorns. Science News Letter 23: 281. My.6, 1933. no.630.

Described before American Philosophical Society by Dr. William Trelease.

New fossil plant found in Illinois deposit. Science News Letter 23: 264. Ap.29,1933. no.629.

Species of Cordaites, described by Dr. David White before the National Academy of Sciences.

Scient. Agr. (Ottawa) (7Sci2)

Broadfoot, W.C. & Robertson, H.T.

Pseudo-black chaff of Reward wheat. Scient. Agr. 13: 512-514. pl. Ap.1933. no.8.

"Some strains of Reward still carry color factors, which, under suitable light intensity, produce the dark pigmented areas mentioned".

DeLong, W. A.

Some observations on the variability of the amount and composition of the ash of the Wagener apple under Nova Scotian conditions. Scient. Agr. 13: 505-511. Ap.1933. no.8.

Sallans, B. J.

Methods of inoculation of wheat with Helminthosporium sativum P.K. and B. Scient. Agr. 13: 515-527. illus. Ap.1933. no.8.

Sitzungsb. Naturf. Ges. Univ. Tartu. (511D73)

Lippmaa, T.

Eesti botaanilisest uurimisest. Sitzungsb. Naturf. Ges. 38: 68-72. 1932. no.3/4.

Sovetsk. Subtrop. (Suchum) (20Su1)

I͡anson, A.

Dikorastushchie tannidonosnye derev'i͡a i kustarniki v Abkhazii (Wildgrowing tannin bearing trees and shrubs of Abkhazia). Sovetsk. Subtrop. 4(2): 95-119. illus. 1932.

Russian.

Kozlov, V.M.

Biokhimicheskie izmeneniii͡a v plodakh pod vlii͡aniem etilena (Biochemical changes in fruits under the influence of ethylene). Sovetsk. Subtrop. 4(2): 38-53. 1932.

Russian.

Kozlov, V. M.

Vlii͡anie etilena na dozrevanie i aromatizatsii͡u plodov (Influence of ethylene upon the ripening and fragrance of fruits). Sovetsk. Subtrop. 4(1): 128-135. My.1932.

Russian.

Petiaev, S. I.

Raspredelenie efirno-maslichnykh rasteniĭ v gornykh zonakh Sukhumskogo raĭona (The distribution of essential-oil plants in the mountainous region of Suchum). Sovetsk. Subtrop. 4(2): 86-92. 1932.

Russian.

Vasil'ev V.

Materialy po kauchukonosnym rastenii͡am, issledovannym v Krymu [Materials on rubber producing plants investigated in the Crimea]. Sovetsk. Subtrop. 4(2): 81-83. 1932.

Russian.

Periploca graeca, Cynanchum acutum, C. scandens, Euphorbia stricta, E. biglandulosa, E. virgata, Taraxacum gymnanthum, Lampsana grandiflora, Tragopogon major, Scorzonera hispanica, S. cripsa, Pterotheca purpurea, Chondrilla ambigua, Euphorbia gerardiana.

Sovetsk. Subtrop. (cont.)

Vasil'ev, V.

Perspektivy razvitiia novykh tekhnicheskikh kul'tur v Krymu [Prospects of the development of new technical cultures in the Crimea]. Sovetsk. Subtrop. 4(2): 9-17. 1932.

Russian.

Rubber producing plants (Parthenium argentatum, Chondrilla juncea, C. ambigua, Scorzonera tau-sagiz Taraxacum gymnanthum, Cynanchum acutum) - Tannin plants (Statice gmelini, Rhus coriaria, Cotinus coggyria) - Resin plants - Textile plants - Cork plants.

K. Svensk. Vetensk. Akad. Handl. (Stockholm) (502St6H)

Florin, R.

Ueber einige neue oder wenig bekannte asiatische Ephedra-arten der sect. Pseudobaccatae Stapf. K. Svenska Vetensk. Akad. Handl. III, v.12, no.1. 44 p. illus. (incl.map) 5 pl. 1933.

E. regeliana, E. likiangensis n.spp.

Malme, G. O. A.

Compositae paranenses Duseníanae. K. Svenska Vetensk. Akad. Handl. III, v.12, no.2. 122 p. illus. vi pl. 1933.

Tribune Hort. (Bruxelles) (80T73)

Cauw, E. de la

Notes sur la phytogéographie des cactées américaines. (cont.) Tribune Hort. 16: 209-213. Ap.8, 1933. no.847.

U.S. Dept. Agr. Techn. Bull. (1Ag84Te)

McMurtrey, J. E. Jr.

Distinctive effects of the deficiency of certain essential elements on the growth of tobacco plants in solution culture. U. S. Dept. Agr. Techn. Bull. 340. 42 p. col.pl. F.1933. (Rec'd Ap.)

Věda přirodni. (Prague) (410V51)

Fott, B.

Fytoplankton jako rostlinné společenstvo. Věda přirodni 14: 102-108. 1933. no.4.

In Czech.

Kavina, K.

Jilmová epidemie. Věda přirodni 14: 97-102. illus. 1933. no.4.

In Czech. (Elm disease).

Věda přirodni. (cont.)

Müller, K.

Exotická vegetabilní afrodisiaka. Veda Přirodni 14: 21-23, 77-81. 1933. no.1, 2/3.

In Czech.

Pilát, A.

O infekci vinohradského tunelu v praze chorošem Leptoporus undatus (Pers.) Pilát. Věda Přirodni 14: 17-20. illus. 1933. no.1.

In Czech.

Vict. Nat.(Melbourne) (410V66)

Keble, R. A.

Middle Silurian land plants. Vict. Nat. 49: 293-296. illus. Ap.1933. no.12.

Zeitschrift Pflanzenernähr. Düng. u. Bodenk. B, Wirtsch-Prakt. Teil. (384Z343B)

Friederich, E.

Zur kohlenstoffernährung der pflanzen. Zeitschr. Pflanzenernähr. Düng. u. Bodenk. B, Wirtsch.-Prakt. Teil 12: 151-152. Ap.1933. no.4.

Popp, M.

Hat der mond einen einfluss auf das pflanzenwachstum? Zeitschr. Pflanzenernähr. Düng. u. Bodenk. B, Wirtsch.-Prakt. Teil 12: 145-150. Ap. 1933. no.4.

Zeitschr. Zuckerind. Cechoslovak. Rep. (66.8Z3)

Neuwirth, F.

Oekologie der aufgehenden rübe mit berücksichtigung ihrer krankheiten. Zeitschr. Zuckerind. Cechoslovak. Rep. 57: 260-264. illus. Ap.14, 1933. no.33.

Ueber organismen, die am wurzelbrand der rübe beteiligt sind.

Neuwirth, F.

Schädlinge und krankheiten der rübe im jahre 1932. Zeitschr. Zuckerind. Cechoslovak. Rep. 57: 209-215. illus. Mr.3, 1933. no.27.

Diseases: p.214-215.

Der Züchter. (Berlin) (442.8Z8)

Baur, E.

C.E. Correns. Der Züchter 5: 67-68. port. Mr. 1933. no.3.

Der Züchter (cont.)

Nerling, O.
Die jarowisation des getreides nach T. D. Lyssenko. Der Züchter 5: 61-67. Mr.1933. no.3.

Ufer, M.
Beobachtungen über bastarde zwischen Medicago gaetula Urb. und M. falcata L. Der Züchter 5: 49-53. illus. Mr.1933. no.3.

Exp. Stat. Publ.

Finch, A. H. & Kinnison, A. F.
Pecan rosette: Soil, chemical, and physiological studies. Arizona Agr. Exp. Stat. Techn. Bull. 47: 407-442. illus. Mr.1, 1933 (Rec'd Ap.22) (100Ar4)

Georgia agricultural experiment station.
[Report of the department of] botany. In its Ann. Rep. 45(1932): 34-36. [1933] (100G29S)
Deals with plant diseases.
B.B. Higgins botanist.

Kansas. Agricultural experiment station.
Diseases, insects and other pests injurious to plants. In its Bienn. Rep. 6th (1930-32): 85-100. 1932. (100K13S)

New Jersey agricultural experiment station - Dept. of Plant pathology.
Control of calla diseases. Its Nursery Dis. Notes v.5, no.10. 4 p. Ap.1933 (464.9N46)

Runnels, H.A. & Wilson, J.D.
Control of Alternaria blight of ginseng with bordeaux mixture and injuries accompanying its use. Ohio Agr. Exp. Stat. Bull. 522. 16 p. illus. Mr.1933(100Oh3S)

New Books.

Anagnostopoulos, P. Th.
... Some diseases of fruit trees, vegetables and flowers due to species of fungi of the genus Fusarium met with in Greece. Athens, A.B. Pascha, 1933. (464.1An1)
Greek with English summary.

Beauverie, J.
Les gymnospermes, vivantes et fossiles. Lyon, Bosc frères, 1933.2.v. (text and atlas) (Cours de botanique professé à la Faculté des sciences de Lyon) (463.4B38)

New Books. (cont.)

Crowfoot, G. M. & Baldensperger, L.
From cedar to hyssop. A study in the folklore of Palestine. London, The Sheldon press, 1932. (452.7C88)

Fehér, D.
Untersuchungen über die mikrobiologie des waldbodens. Berlin, J. Springer, 1933 (56F32)

Fisher, F. H.
Reginald Farrer, author, traveller, botanist and flower painter. 2d ed. [Brimsby, Eng.], 1933. (Bull. of the Alpine garden society, v.1, no.10) (120F24)

Godfery, M. J.
Monograph & iconograph of native British Orchidaceae. Cambridge, University press, 1933 (452.3G54)

Graves, A.H. & Rusk, H.M.
A teaching guide to the trees and shrubs of greater New York, including the kinds most commonly seen in cultivation. Brooklyn, N.Y., Brooklyn botanic garden, 1933 (455.34G78)

Hunter, H. & Leake, H.M.
Recent advances in agricultural plant breeding ... with a foreword by Sir R.H. Biffen. London, J. A. Churchill, 1933 (64H91)

Maugini, A.
Le colonie italiane. Flora ad economia agraria degli indigeni. [Roma], Ministero delle colonie, 1931. (35.4M44)

Peirier, J. C.
Contribution à l'étude des plantes oléagineuses du Cameroun. Marseille, Societé du Petit Marseillais, 1930 (77P35)
Thèse - Faculté des sciences de Marseille.

Das pflanzenreich ... heft 98 e (IV, 165) Sapindaceae V, von L. Radlkofer. Leipzig, W. Engelmann, Mr.21, 1933. (452En3P)

Phillips, G. A.
Delphiniums, their history and cultivation. London, T.Butterworth, 1933.

New Books. (cont.)

Rivas Mateos, M.
Flora de la Provincia de Cáceres. Serradilla, S. Rodrigo, 1931 (459.9R52)

Stempell, W.
Die unsichtbare strahlung der lebewesen (Mitogenetische oder organismenstrahlung). Jena, G. Fischer, 1932 (442St42)

Wildeman, E. de & Staner, P.
Contribution à l'étude de la flore du Katanga, Suppl. V. Bruxelles, D. van Keerberghen & fils, Ap.1933. (460.43W64C)

Translations filed in Library of Bur. of Plant Industry)

Freise, F.
Brasilien als erzeuger von faserpflanzen (ausser baumwolle) (Brazil as a producer of fiber plants (except cotton). Tropenpfl. 36: 60-65. F.1933.

Kappert, H.
Ueber die auswertung dihybrider spaltungsreihen bei koppelungsstudien. (On the evaluation of dihybrid-mendelian ratios in linkage studies). Zeitschr. Indukt. Abstamm. u. Vererbungsl. 44:303-314. 1927.

Correction.

v.14, no.16, p.8.
Under Bol. R. Soc. Españ. Hist. Nat. the author's name should be Unamuno, L.M.

v.15, no.8, p.16.
Under Landw. Jahrb. Schweiz the vol. no. should be 47.

-c

BOTANY
CURRENT LITERATURE

LIBRARY
RECEIVED
★ JUN 6 - 1933 ★
U. S. Department of Agriculture

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY.
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C.

Vol. 15, no. 10. May 8-20, 1933.

Agric. Colon. (Firenze) (25Ag82)
Bonacelli, B.
La diffusione del banano. Agric. Colon. (Firenze) 27: 170-180. Ap.1933. no.4.

Amer. Nat. (470Am36)
Witzemann, E. J.
Mutation and adaptation as component parts of a universal principle. I-II. Amer. Nat. 67: 163-177, 264-275. Mr./Ap., My./Je. 1933. no.709, 710.
I. The principle of rhythm or periodicity.
II. The autocatalysis curve.

Ann.Sci.Nat. Bot. (Paris) (450An75)
Loubière, A.
Sur la structure d'une nouvelle coléopspermée: le genre Sphaerospermum Brgt. (graine probable d'un Callipteridium). Ann. Sci. Nat. X, Bot. 15: 17-21. illus. Ap.1933. no.1.
S. brongniarti nov.sp.

Magrou, J. & Magrou, Mme. M.
Sur les variations d'activité des rhizoctones d'orchidées. Ann. Sci. Nat. X, Bot. 15: 303-306. Ap.1933. no.1.

Plantefol, L.
Sur une activitié physiologique de quelques pollens. Cristaux de rouge neutre et vacuome du grain de pollen. Ann. Sci. Nat. X, Bot. 15: 261-301. illus., pl. Ap.1933. no.1.

Prévot, A. R.
Études de systématique bactérienne. I-II. Ann. Sci. Nat. X, Bot. 15: 23-260. illus. Ap.1933. no.1.
I. Lois génerales. II. Cocci anaerovies.

Privault, D.
L'apparition des stomates sur les plantules de gymnospermes. Ann. Sci. Nat. X, Bot. 15: 1-16. ii pl. Ap.1933. no.1.

Ann. Appl. Biol. (London) (442.8An72)

Bennett, F. T.

Fusarium species on British cereals. Fusarium nivale (Fr.) Ces. (=?Calonectria graminicola (Berk. &Br.) Wr.) Ann. Appl. Biol. 20: 272-290. illus., pl. xvii-xx. My.1933. no.2.

Martin, H.

Studies upon the copper fungicides. II. Some modifications of Bordeaux mixture designed to overcome practical difficulties in its application. Ann. Appl. Biol. 20:342-363. My.1933. no.2.

Sampson, K.

The biology of oat smuts. III. The development of two biological species of Ustilago kolleri (Wille) in a selection of Avena strigosa orcadensis (Marquand). Ann. Appl. Biol. 20: 258-271. illus., pl. xvi. My.1933. no.2.

Smith, W. H.

Evaporation of water from apples in relation to temperature and atmospheric humidity. Ann. Appl. Biol. 20: 220-235. My.1933. no.2.

Ann. Rep. Dept. Agr. Uganda Prot. (Kampala) (24Ug12)

Hansford, C. G.

Annual report of the mycologist. Ann. Rep. Dept. Agr. Uganda Prot. 1931(2):59-62. 1932.

Field experiment on blackarm disease of cotton: p.61-62.

Ann. Rep. State Hort. Soc. Michigan (Lansing) (81M58)

Cation, D.

The apple scab epidemic in relation to spore discharge and rainfall. Ann. Rep. State Hort. Soc. Michigan 62(1932): 40-45. 1933.

Dutton, W. C.

Facts about new materials for scab control. Ann. Rep. State Hort. Soc. Michigan 62(1932): 54-57. 1933.

Ricks, G.

Scabby and small apples. Ann. Rep. State Hort. Soc. Michigan 62(1932): 45-50. 1933.

Arch. Pharm. & Ber. Deut. Pharm. Ges. (Berlin) (396.8Ar2A)
Dieterle, H., Leonhardt, H. & Dorner, K.
Ueber die sterine der rinde von Lophopetalum toxicum. I. Arch. Pharm. & Ber. Deut. Pharm. Ges. 271: 264-268. Ap.1933. no.4.

Ber. Deut. Bot. Ges. (Berlin) (451D48)
Renecke, W.
Johannes Reinke. Ber. Deut. Bot. Ges. 50 (Generalversamml.-heft 2): (171)-(202). port. Ap.27, 1933.

Janchen, E.
Friedrich Vierhapper. Ber. Deut. Bot. Ges. 50(Generalversamml.-heft 2): (224)-(234). port. Ap.27, 1933.

Karsten, G.
Karl Goebel. Ber. Deut. Bot. Ges. 50(Generalversamml.-heft,2): (131)-(162). port. Ap.27, 1933.

Kolkwitz, R.
Hugo Miehe. (1875-1932). Ber. Deut. Bot. Ges. 50(Generalversamml.-heft,2): (163)-(170). port. Ap.27,1933.

Overbeck, F.
Peter Stark. Ber. Deut. Bot. Ges. 50(Generalversamml.-heft,2): (202)-(219). port. Ap.27, 1933.

Schürhoff, P. N.
Hermann Thoms. Ber. Deut. Bot. Ges. 50(Generalversamml.-heft,2): (220)-(224). Ap.27, 1933.

Wilczek, E.
John Briquet. Ber. Deut. Bot. Ges. 50(Generalversamml.-heft,2): (107)-(130). port. Ap.27, 1933.

Biochem. Zeitschr. (Berlin) (384B522)
Gaffron, H.
Ueber den stoffwechsel der schwefelfreien purpurbakterien. Biochem. Zeitschr. 260: 1-17. Ap.13, 1933. no.1/3.

Klein, G. & Linser, H.
Cholinstoffwechsel bei pflanzen II. Biochem. Zeitschr. 260: 215-225. Ap.13, 1933. no.1/3.

Biochem. Zeitschr. (cont.)
Rewald, B. & Riede, W.
Das verhalten von fett, phosphatiden und eiweiss während der samenreife. Biochem. Zeitschr. 260: 147-152. Ap.13, 1933. no.1/3.

Blumen u. Pflanzenb. (Berlin) (80B623)
Steinmann,
Versuchsergebnisse zur bekämpfung des Chrysanthemum-aelchens. Blumen u. Pflanzenb. 48: 18-19. illus. F.1, 1933. no.2.
Aphelenchus ritzema-bosi.

Boll. Tecn. R. Ist. Sper. Tabacchi Scafati (69.8B63)
Benincasa, M.
Selezione della varietà di tabacco detta "Stop". Boll. Tecn. R. Ist. Sper. Tabacchi Scafati 29: 233-237. 11 pl. O./D. 1932. no.4.

Bot. Not. (Lund, Sweden) (450B656)
Åkerlund, E.
En fribladig Primula veris. Bot. Not. 1933: 271-278. illus. 1933. no.1/3.

Åkerman, Å.
Untersuchungen über die verergung gelb- und weissgestreifter blattfarbe beim hafer. Bot. Not. 1933: 255-270. 1933. no.1/3.

Alm, C. G. & Weimarck, H.
Typha augustifolia L. x. latifolia L. funnen i Skåne. Bot. Not. 1933: 279-284. illus. 1933. no.1/3.

Almstedt, T.
Kvantitativ analys av vegetationsfärgande algsamhällen. Bot. Not. 1933: 395-401. illus., pl. 1933. no.1/3
Oocystis submarina, Nanochloris, Scenedesmus, Stephanosphaera pluvialis.

Blom, C.
Bidrag till Skånes adventiv- och ruderatflora. Bot. Not. 1933: 355-366. 1933. no.1/3.

Erman, C.
Tillväxt och tillväcthormoner. Bot. Not. 1933: 421-438. illus. 1933. no.1/3.
En exposé över de senaste forskningsresultaten.

Bot. Not. (cont.)

Gertz, O.

Till Skånefloras äldre litteraturhistoria. Bot. Not. 1933: 121-142. 1933. no.1/3.

Växter från Skåne i Svensk botanik och i Flora Danica.

Gustafsson, A.

Zur entstehungsgeschichte des Rubus bellardii Whe. & N. Bot. Not. 1933: 231-247. illus. 1933. no.1/3.

Gustafsson, C. E.

Om björnbärens härkomst. Bot. Not. 1933: 248-254. 1933. no.1/3.

Hässler, A.

Vara läroverksherbarier. En översikt och ett program. Bot. Not. 1933: 456-472. 1933. no.1/3.

Hultén, E.

Studies on the origin and distribution of the flora in the Kurile Islands. Bot. Not. 1933: 325-345. 1933. no.1/3.

Hylmö, D. E.

Algenimmigration nach der schwedischen Westküste. Bot. Not. 1933: 377-390. illus. 1933. no.1/3.

Kurck, C.

Biografiska anteckningar om några äldre Skånebotanister. Bot. Not. 1933: 35-44. port. 1933. no.1/3.

Nils Lilja, T.A.L. Grönwall, A.J.A.T. Roth, A.G. Nathorst, S.A.T. Tullberg, L.M.Neuman.

Kylin, H.

Några algfynd från bohusländska kusten. Bot. Not. 1933: 391-384. 1933. no.1/3.

Lönnerblad, G.

Zur kenntnis der eisenausfällung der pflanzen. Bot. Not. 1933: 402-412. 1933. no.1/3.

Bot. Not. (cont.)

Mauritzon, J.
Ueber die systematische stellung der familien Hydrostachyaceae und Podostemonaceae. Bot. Not. 1933: 172-180. 1933. no.1/3.

Möller, H.
Claes Gustaf Myrins mossherbarium. Bot. Not. 1933: 373-376. 1933. no.1/3.

Muntzing, A.
Quadrivalent formation and aneuploidy in Dactylis glomerata. Bot. Not. 1933; 198-205. illus. 1933. no.1/3.

Naumann, E.
Ueber eisenanreicherung bei Sphaerotilus natans Kützing. Bot. Not. 1933: 413-416. illus. 1933. no.1/3.

Nilsson, F.
Själv- och korsbefruktning i rödsvingel (Festuca rubra L.), ängsgröe (Poa pratensis L.) och ängskavle (Alopecurus pratensis L.). Bot. Not. 1933: 206-230. 1933. no.1/3.
English summary: p.221-223, (Self- and cross-fertility in red fescue, Festuca rubra L., smooth-stalked meadowgrass, Poa pratensis L., and meadow-foxtail, Alopecurus pratensis, L.)

Norlindh, T.
Some new species of the genus Osteospermum. Bot. Not. 1933: 165-171. illus. 1933. no.1/3.

Rasmusson, J.
Några iakttagelser över Beta maritima L. Bot. Not. 1933: 316-324. illus. 1933. no.1/3.

Ryberg, O.
Cordiceps militaris (L.) Link. Bot. Not. 1933: 417-420. 1933. no.1/3.
Några bildrag till kännedomen om dess förekomst och värddjur.

Sjögren, J.
Cerastium alpinum återfunnen på Halleberg. Bot. Not. 1933: 346-348. 1933. no.1/3.

Bot. Not. (cont.)

Suneson, S.
Zur embryologie der gattung Viburnum. Bot. Not. 1933: 181-194. illus. 1933. no.1/3.

Sylvén, N.
Lunds botaniska förenings förteckningar över Skandinaviens kärlväxter. Bot. Not. 1933: 91-120. 1933. no.1/3.
Värdefulla dokument för den Skandinaviska floristikens historia.

Tedin, O.
Växtbyten i Lund genom sjuttiofem år. Bot. Not. 1933: 71-90. illus. 1933. no.1/3.

Tjebbes, K.
The wild beets of the North Sea region. Bot. Not. 1933: 305-315. illus. 1933. no.1/3.

Tufvesson, P.
Några adventivfynd från Kirstianstad och Ahus. Bot. Not. 1933: 367-372. 1933. no.1/3.

Turesson, G.
Zur rassenökologie von Adonis vernalis L. Bot. Not. 1933: 293-304. illus. 1933. no.1/3.

Weimarck, H.
New species in the genus Cliffortia. Bot. Not. 1933: 143-164. illus. 1933. no.1/3.

Witt, H.
Carex obtusata Liljebl. i öländsk alvar-vegetation. Bot. Not. 1933: 285-292. 1933. no.1/3.

Bull. Dept. Agr. Kenya (Nairobi) (24Ea72)

Edwards, D. C.
Observations on some pasture plants in Kenya, with suggestions for the extended trial of certain grasses. Bull. Dept. Agr. Kenya 1933, no.1. 33 p. illus., 12 pl. on 6. 1933.

Bull. Misc. Inform. Kew (London) (89K51B)

Boergesen, F.
Some Indian Rhodophyceas especially from the shores of the Presidency of Bombay. III. Bull. Misc. Inform. Kew 1933: 113-142. illus., pl.v-ix. no.3.

Bull. Misc. Inform. Kew (cont.)
Hutchinson, J.
Petrosavia and Protolirion. Bull. Misc. Inform. Kew 1933: 156-157.
Petrosavia stellaris (Protolirion paradoxum).

Kew Roy gardens.
Tropical African plants. X. Bull. Misc. Inform. Kew. 1933: 142-151. no.3.

Sprague, T. A. & Green, M. L.
The history of Nothopanax. Bull. Misc. Inform. Kew. 1933: 154-157. no.3.

Sprague, T.A. & Green, M.L.
Silene cucubalus: The correct name of the bladder-campion. Bull. Misc. Inform. Kew. 1933: 151-154. no.3.

Bull. Mysore Sandal Spike Invest. Comm. (464.9M99)
Badami, B.S.R. & Ramanuja Iyengar, C.S.
The bio-chemistry of the spike disease of sandal (Santalum album, Linn.) Bull. Mysore Sandal Spike Invest. Comm. no.2. 12 p. 2 pl. 1932.
I. Note on the influence of chlorine on starch accumulationin disease. II. The role of manganese in health and disease.

Bull. Soc. Bot. France (Paris) (451F84B)
Bizot, M.
Muscinées récoltées pendant la session extraordinaire de la Société botanique de France à Dijon (1932). Bull. Soc. Bot. France 79: 821-829. Mr.15, 1933. no.9/10.

Camus, A.
Sur quelques graminées de Madagascar et des iles voisines. Bull. Soc. Bot. France 79: 844-846. Mr.15, 1933. no.9/10.
Brachiaria humbertiana, Aristida tenuissima, Chloris boivinii.

Camus, A.
Sur quelques hybrides d'orchidées.
Bull. Soc. Bot. France. 79: 833-834. Mr.15, 1933. no.9/10.

Bull. Soc. Bot. France (cont.)

Chouard, P.

Tourbières de sources alcalines sans calcaire en haute montagne. Bull. Soc. Bot. France 79: 850-854. illus. Mr.15, 1933. no.9/10.

Dughi, R.

Une nouvelle espèce de collemacée Pyrenocollema aquensis de Crozals et Dughi nov.sp. Bull. Soc. Bot. France 79: 846-850. Mr.15, 1933. no.9/10.

Fouillade, A.

Sur les Agrostis alba, vulgaris, castellana et leurs hybrides. Bull. Soc. Bot. France 79: 789-804. Mr.15, 1933. no.9/10.

Gagnepain, F.

Espèces nouvelles du genre Linociera (oléacées d'Indochine). Bull. Soc. Bot. France 79: 785-788. Mr.15, 1933. no.9/10.

Mugnier, L.

Roses du département de l'Allier. Bull. Soc. Bot. France 79: 829-833. Mr.15, 1933. no.9/10.

Trochain, J.

Etude morphologique et anatomique d'un Rhinopteryx (malpighiacées) peu commu de l'Ouest africain. Bull. Soc. Bot. France 79: 837-844. illus. Mr.15, 1933. no.9/10.

Rhinopteryx kerstinigii.

Bull. Soc. Chim. Biol. (Paris) (383So1)

Hérissey, H. & Laforest, J.

Sur un hétéroside extrait du laurier de Portugal, Cerasus lusitanica Lois. Bull. Soc. Chim. Biol. 15: 350-357. Mr.1933. no.3.

Lusitanicoside.

Rabaté, J.

Contribution à l'étude biochimique de pêcher Persica vulgaris L. I. Sur la présence de l'amygdonitrile-glucoside. Bull. Soc. Chim. Biol. 15: 385-394. Mr.1933. no.3.

Bull. So. Calif. Acad. Sci. (Los Angeles) (500So8)

Hoffmann, R.

Notes on the flora of the Channel Islands off Santa Barbara, California. II. Bull. So. Calif. Acad. Sci. 31: 101-120. S./D. 1932. no.3.

Bull. Torr. Club. (451T63B)
Allen, C. E.
Sachs, the last of botanical epitomists. Bull. Torr. Club. 60: 341-346. My.1933. no.5.

Campbell, D. H.
The Sachs text-book and its influence on the development of botany in America. Bull. Torr. Club 60:331-333. My.1933. no.5.

Gleason, H. A. & Smith, A. C.
Plantae krukovianae. Bull. Tor. Club 60: 349-365. My.1933. no.5.
Collection, largely of forest trees, made in Amazonian Brazil by B. A. Krukoff.

Merrill, E. D.
Crops and civilizations. Cultivated plants and the origins of civilizations. Bull. Torr. Club 60: 323-329. My.1931. no.5.
Already indexed from Nat. Hist. v.33, p.235.

Rusby, H. H.
A carpological enigma. Bull. Torr. Club 60: 347-348. pl.20. My.1933. no.5.
"Durasno del monte"... quite clearly a member of the Myristicaceae, but does not fit into any described genus".

True, R. H.
Julius von Sachs, the man and the teacher. Bull. Torr. Club 60: 335-340. My.1933. no.5.

Bull. U. S. Golf Assoc. Green Sect. (Washington, D.C.) (60.18Un3)
Monteith, J. Jr.
Soil acidity and lime for bent turf. Bull. U.S. Golf Assoc. Green Sect. 12:190-195. O.1932. no.5.

Butler Univ. Bot. Stud. (Indianapolis) (451B97)
Friesner, R.C.
The genus Solidago in northeastern North America. Butler Univ. Bot. Stud. v.3, no.1. 64 p. illus. Ap.1933.

Cactus (Mont St. Amand, Belg.) (450C112)
Guillaumin, A.
Les Lomatophyllum. Cactus (Mont St. Amand, Belg.) 3(2): 4-6. Ap.1933.

Cactus (Mont St. Amand, Belg.) (cont.)

Verbeeck-Wolthuys, J.J.
Quelques observations concernant les monstruosites chez les plantes succulentes. Cactus (Mont. St. Amand, Belg.) 3(3): 24-27. Ap. 1933.

Verplancke, G.
Desinfection du sol. Cactus (Mont St. Amand, Belg.) 3(2): 7-23. illus. Ap.1933.

Cactus & Succ. Journ. (Los Angeles) (451C11)

Britton, N. L.
An unrecognized species of cactus. Cactus & Succ. Journ. 4:355. illus. Ap.1933. no.10.
Cactus antonii.

Broadway, W. E.
Neomammillaria mammillaris (Lin.) B. & R. (Mammillaria simplex Haworth). Cactus & Succ. Journ. 4:359. Ap.1933. no.10.

Johansen, D. A.
Recent work on the cytology of the cacti. Cactus & Succ. Journ. 4: 356. illus. Ap.1933. no.10.

Plack, G. P.
Malacocarpus ottonis. Cactus & Succ. Journ. 4:367. illus. Ap.1933. no.10.

O Campo (Rio de Janeiro) (9.9C15)

Ronna, E.
Patalogia e terapeutica das arvores frutiferas. Rosaceas cultivadas. O Campo 4(2): 49-53. illus. F. 1933.

Canad. Jour. Res. (Ottawa) (330.9C16C)

Manske, R.H.F.
The alkaloids of fumaraceous plants. V. The constitution of adlumine. VI. Corydalus sempervirens (L.) Pers. Canad. Journ. Res. 8: 404-406, 407-411. Ap.1933. no.4.

Padwick, G.W. & Henry, A.W.
The relation of species of Agropyron and certain other grasses to the foot-rot problem of wheat in Alberta. Canad. Journ. Res. 8: 349-363. illus. Ap.1933. no.4.
Helminthosporium sativum, Ophiobolus graminis, Fusarium.

Canad. Journ. Res. (cont.)

Sanford, G. B.
A root rot of sweet clover and related crops caused by Plenodomus meliloti Dearness and Sanford. Canad. Journ. Res. 8: 337-348. pl. i-ii. Ap. 1933. no.4.

Compt. Rend. Acad. Sci. Paris (505P21)

Costantin, J.
L'immunité de la canne POJ 2878 est-elle absolue? Compt. Rend. Acad. Sci. Paris 196: 1261-1264. My.1, 1933. no.18.

Costantin, J.
Variations de la virulence dans les dégénérescences de la pomme de terre. Compt. Rend. Acad. Sci. Paris 196: 1186-1189. Ap.24,1933. no.17.

Dangeard, P. A.
Remarques sur la présence d'un appareil centrosomique chez les espèces du genre Lonicera. Compt. Rend. Acad. Sci. Paris 196: 1260-1261 My.1, 1933. no.18.

Eichhorn, A.
Sur la prétendu existence de centrosomes et d'asters chez les végétaux supérieurs. Compt. Rend. Acad. Sci. Paris. 196:1239-1241. Ap.24, 1933. no.17.

Fosse, R., Graeve, P.de., & Thomas, P.E.
Rôle de l'acide allantoique chez les végétaux supérieurs. Compt. Rend. Acad. Sci. Paris 196: 1264-1267. My.1, 1933. no.18.

Hagene, P.
Caractères du terreau des saules têtards. Compt. Rend. Acad. Sci. Paris 196: 1333-1335. My.1, 1933. no.18.

Quetel, R.
Variations de la teneur en azote chez le lilas au cours du forçage. Compt. Rend. Acad. Sci. Paris 196: 1243-1245. Ap.24, 1933. no.17.

Vladesco,
Sur le développement des octants dans l'embryon des fougères leptosporangiées. Compt. Rend. Acad. Sci. Paris 196: 1241-1243. Ap.24, 1933. no.17.

Compt. Rend. Soc. Biol. Paris (442.9P21)

Dreyfus, A. & Zaccaro, O.

Influence du chloral sur les racines d'oignon (Allium cepa). Compt. Rend. Soc. Biol. Paris 112: 1507-1509. Ap.27, 1933. no.14.

Gilles, Ed.

Quelques remarques sur les effets du rayonnement de la lampe a vapeur de mercure sur les plantules. Compt. Rend. Soc. Biol. Paris 122: 1409-1411. Ap.27, 1933. no.14.

Jonesco, S.

Sur l'occlusion des fleurs de l'Ipomoea purpurea. Compt. Rend. Soc. Biol. Paris 112: 1487-1489. illus. Ap.27, 1933. no.14.

Stanescu, P. P.

L'influence du refroidissement du pétoile sur le transport des substances dans les feuilles. Compt. Rend. Soc. Biol. Paris 112: 1502-1504. Ap.27, 1933. no.14.

Experiments with Phaseolus vulgaris and Urtica dioica.

Desert (Pasadena) (450D45)

Backeberg, C.

My collecting trip in Peru. Desert (Pasadena) 5: 3-4. illus. My.1933. no.1.

Deut. Landw. Presse (Berlin) (18D482)

Meyer-Hermann, K.

Neue wege zur bekämpfung der herz- und trockenfäule der ruben. (schluss). Deut. Landw. Presse 60: 205. illus. Ap.29, 1933. no.17.

Econ. y Técn. Agr. (Spain) (Madrid) (15Ec7)

Mas y Guindal, J.

Estudio botánico del quino. Econ. y Técn. Agr. (Spain) 2: 156-161. illus. Mr.1933.

Eesti Loodust. Arhiiv (Arch. Naturk. Estlands) II, Biol. Naturk. (Tartu) (511J97)

Mölder, K.

Beiträge zur algenflora Estlands. II. Im see Weisjärw vorkommende algen. Eesti Loodust. Arhiiv (Arch. Naturk, Estlands) II, Biol. Naturk 15:11-20. 1932. no.1.

Ernähr. Pflanze (Berlin) (57.8Er6)
Lowig, E.
Ueber den einfluss des K-ions und der kalifalzanionen auf die widerstandsfähigkeit der getreidearten gegen den befall von Erysiphe graminis. Ernähr. Pflanze 29: 161-167. illus. My.1, 1933, no.9.

Farming So. Africa (Pretoria) (24So842)
Henning, P. D.
The chief weeds of grain lands. Farming So. Africa 8: 143-144, 148. illus. Ap.1933. no.85.
Control measures in the western Cape Province.

Fermentforsch. (Berlin) (390.08F38)
Biletzky, M.
Ueber die abhängigkeit der katalaseaktivität der pflanzen von den ernahrungs- und wachstumsbedingungen. Fermentforsch. 13: 467-498. 1933. no.4.

Flor. Rev. (Chicago) (80W41)
Poesch, G. H.
Hydrangea color subject of tests. Flor. Rev. 72(1850): 21. illus. My.11, 1933.

For. Bull. For Res. Inst. India (99.9In22B)
Lambert, W. J.
List of trees and shrubs for the Kashmir and Jammu forest circles... For. Bull. For. Res. Inst. India no.80. 40 p. 1933.

Fortschr. Landw. (Vienna) (19F77)
Meyer-Hermann, K.
Beobachtungen und untersuchungen über die eisenfleckigkeit der kartoffel. Fortschr. Landw. 8: 200-205. illus. My.1, 1933. no.9.

Gard. Chron. (London) (80G162)
Brown, N. E.
Flowers that change colour daily. Gard. Chron. III, 93: 312. My.6, 1933. no.2419.
Triteleia (or Brodiaea) uniflora, Gladiolus versicolor.

Corbett, J.
[A hybrid Acalypha] Gard. Chron. III, 93: 290. illus. Ap.29,1933. no.2418.
Seedling which originated at Mulgrave Castle Gardens, thought to be a hybrid between A. hispida and A. hamiltoniana.

Gard. Chron. (cont.)

Friend, H.

Herbs and herbalists. V. Herbs of immortality. Gard. Chron. III, 93: 297-298. illus. Ap.29, 1933. no.2418.

Grove A.

Fruits of lilies. II. Gard. Chron. III, 93: 294. illus. Ap.29, 1933. no.2418.

Hall, A. D.

Notes on tulip species. Gard. Chron. III, 93: 316-317. My.6, 1933. no.2419.

McDade, C.

Irises in America. (cont.) Gard. Chron. III, 93: 300-301. Ap.29,1933. no.2418.

Ward, F. K.

Mr. F. Kingdon Ward's eleventh expedition in Asia. XXVIII. The plant line. Gard. Chron. III, 93: 314-315. illus. My.6, 1933. no.2419.

Gard. Illus. (London) (80G169)

Anderson, A. W.

The kowhai. Gard. Illus. 55: 242-243. illus. Ap.29, 1933. no.2825.

Sophora microphylla, S. tetraptera.

Gartenbauwiss. (Berlin) (80G195)

Loewel, E. L.

Der anwendungsbereich des karbolineums als winterbekämpfungsmittel im obstbau. Gartenbauwiss. 7: 496-518. illus. Ap.13, 1933. no.4.

Ergebnisse und beobachtungen aus den versuchen des obstbauversuchsringes des Altenlandes.

Prochaska, M.

Einfluss der erntezeit des mohnes auf den konsumwert und die keimfähigkeit der samen. Gartenbauwiss. 7: 458-466. Ap.13, 1933. no.4.

Rudloff, C. F. & Schanderl, H.

Befruchtungsbiologische studien an zwetschen, pflaumen, mirabellen und reineclauden. I. Gartenbauwiss. 7: 421-457. Ap.13, 1933. no.4.

Gartenbauwiss. (cont.)

Tschermak-Seysenegg, E.

Petaloide ausbildung der kelchblätter und andere beobachtungen bei bastarden zwischen Phaseolus vulgaris x Ph. multiflorus. Gartenbauwiss. 7:407-410. illus. Ap.13, 1933. no.4.

Uphof, J. C. T.

Wissenschaftliche beobachtungen und versuche an agrumen. V. Die periodizität der knospenentwicklung. Gartenbauwiss. 7: 411-420. illus. Ap.13, 1933. no.4.

Geogr. Journ. (London) (472G29)

Böcher, T. W.

Botany. In Mikkelsen, Ejnar. The Blosseville coast of East Greenland. Appendix III. Geogr. Journ. 81: 400-403. My.1933.

Diver, C.

The physiography of South Haven Peninsula, Studland Heath, Dorset. Geogr. Journ. 81: 404-427. illus., maps. My.1933. no.5.

Hoppe-Seyl. Zeitschr. Phys. Chem. (Berlin) (384Z38)

Holter, H. & Linderstrøm-Lang, K.

Beiträge zur enzymatischen histochemie. III. Ueber die proteinasen von Drosera rotundifolia. Hoppe-Seyl. Zeitschr. Phys. Chem. 214: 222-240. F.6, 1933. no.5/6.

Kögl, F., Haagen-Smit, A. J. & Erxleben, H.

Ueber ein phytohormon der zellstreckung. Reindarstellung des auxins aus menschlichem harn. 4. mitteilung über pflanzliche wachstumsstoffe. Hoppe-Seyl. Zeitschr. Phys. Chem. 214: 241-261. illus. F.6, 1933. no.5/6.

Indian For. (Dehra Dun) (99.8In2)

Aggarwal, K. L.

Fomes annosus on deodar. Indian For. 59: 239-242. Ap.1933. no.4.

Intern. Bull. Plant Prot. (464.8In8)

McRae, W.

India: New diseases reported during the year 1932. Intern. Bull. Plant Prot. 7: 79-80. Ap.1933. no.4.

Intern. Soc. Sugar Cane Techn. 4th Congr., 1932, Bull. &
Proc. (65.9In84)

Abbot, E. V.
Seed rots of sugar cane in Louisiana. Bull. Intern. Soc. Sugar Cane Techn. 4th Congr. no.48. 2 p. Mr.1932.

Abbot, E. V.
The sugar cane disease situation in Peru. Bull. Intern. Soc. Sugar Cane Techn. 4th Congr. no.49. 2 p. Mr.1932.

Bell, A. F.
Disease-resistance trials. Bull. Intern. Soc. Sugar Cane Techn. 4th Congr. no.29. 2 p. Mr.1932.

Bell, A. F. & Cottrell-Dormer, W.
An improved method for the isolation of the leaf-scald organism. Bull. Intern. Soc. Sugar Cane Techn. 4th Congre. no.72. 5 p. incl. pl. Mr. 1932.

Bremer, G.
On the somatic chromosome numbers of sugar cane forms and the chromosome numbers of indigenous Indian canes. Bull. Intern. Soc. Sugar Cane Techn. 4th Congr. no.20. 3 p. Mr.1932.

Carpenter, C. W.
Growth failure of sugar cane in Hawaii. Bull. Intern. Soc. Sugar Cane Techn. 4th Congr. no.42. 2 p. Mr.1932.
Pythium root disease.

Chardon, C. E.,
On the varietal revolution in Puerto Rico. Proc. Congr. Intern. Soc. Sugar Cane Techn. 4th, 1932; 23-31. 1933.

Ciferri, R.
The measure of intensity and variations of the discoloration of sugar-cane leaves. Bull. Intern. Soc. Sugar Cane Techn. 4th Congr. no.38. 4 p. illus. Mr.1932.

Ciferri, R.
Variations in thickness of mottled and healthy sugar-cane leaves. Bull. Intern. Soc. Sugar Cane Techn. 4th Congr. no.39. 11 p. Mr.1932.

Intern. Soc. Sugar Cane Techn. 4th Congr., 1932, Bull. & Proc. (cont.)

Cook, M. T.
The gummosis of sugar cane. Bull. Intern. Soc. Sugar Cane Techn. 4th Congr. no.35. 2 p. Mr.1932.

Cook, M. T.
Life history of Ligniera (Plasmodiophora) vascularum. Bull. Intern. Soc. Sugar Cane Techn. 4th Congr. no.31. 3 p. Mr.1932.

Cook, M. T.
Melanconium sacchari; parasite or saprophyte? Bull. Intern. Soc. Sugar Cane Techn. 4th Congr. no.35. 2 p. Mr.1932.
Saprophyte or very weak parasite which does not attack growing canes.

Cook, M. T.
The parasitism of Marasmius sacchari Wakker. Bull. Intern. Soc. Sugar Cane Techn. 4th Congr. no.32. 4 p. incl. 2 pl. Mr.1932.

Cook, M. T.
Report on the international survey of the diseases of sugar cane. Bull. Intern. Soc. Sugar Cane Techn. 4th. Congr. no.128. 15 p. Mr.1932.

Cook, M. T.
Rotting of seed cuttings in Porto Rico. Bull. Intern. Soc. Sugar Cane Techn. 4th Congr. no.36. 2 p. Mr.1932.

Cook, M. T.
The transmission of sugar cane diseases by cane cuttings. Bull. Intern. Soc. Sugar Cane Techn. 4th Congr. no.34. 2 p. Mr.1932.

Cottrell-Dormer, W.
The estimation of losses due to red stripe disease in Queensland. Bull. Intern. Soc. Sugar Cane Techn. 4th Congr. no.43. 6 p. Mr.1932.

Cowgill, E.B.
Methods of preserving and describing sugarcane material in taxonomic studies. Bull. Intern. Soc. Sugar Cane Techn. 4th Congr. no.45. 6 p. illus. Mr.1932.

Intern. Soc. Sugar Cane Techn. 4th Congr., 1932, Bull.
& Proc. (cont.)

Dastur, J. F.
Control of Striga spp. on sugar-cane in the Central Provinces. Bull. Intern. Soc. Sugar Cane Techn. 4th Congr. no.25. 1 p. Mr.1932.

Dastur, J. F.
Sugar-cane mosaic. Bull. Intern. Soc. Sugar Cane Techn. 4th Congr. no.24. 4 p. illus. Mr.1932.

Davis, R. L.
Sugar-cane crosses with Kassoer selfs. Bull. Intern. Soc. Sugar Cane Techn. 4th Congr. no.18. 8 p. Mr.1932.

Davis, R. L.
Sugarcane-seedling mosaic elimination. Bull. Intern. Soc. Sugar Cane Techn. 4th Congr. no.19. 17 p. Mr.1932.

International Society of sugar cane Technologists.
Report of the standing committee on description and identification of the original cane varieties. Bull. Intern. Soc. Sugar Cane Techn. 4th Congr. no.6. 6 p. Mr.1932.

Kuntz, P. R.
The production and experimental testing of new varieties of sugar-cane in Porto Rico. Bull. Intern. Soc. Sugar Cane Techn. 4th Congr. no.41. 12 p. illus. Mr.1932.

Lee, H. A. & Goseco, F.
Studies of the sugar-cane root parasite, Aeginetia indica. Bull. Intern. Soc. Sugar Cane Techn. 4th Congr. no.101. 12 p. 7 pl. Mr.1932.

López Domínguez, F. A.
Sugar cane varieties in Peru. Bull. Intern. Soc. Sugar Cane Techn. 4th Congr. no.71. 22 p. Mr.1932.

McClean, A. P. D.
The behavior of the cane variety P.O.J. 213 towards streak disease. Bull. Intern. Soc. Sugar Cane Techn. 4th Congr. nop27. 6 p. incl. pl. Mr. 1933.

Intern. Soc. Sugar Cane Techn. 4th Congr., 1932, Bull. & Proc. (cont.)

McClean, A.P.D.
Mosaic disease of sugar cane and its control in South America. Bull. Intern. Soc. Sugar Cane Techn. 4th Congr. no.37. 3 p. Mr.1932.

McRae, W.
Experiment to test the difference in yield between sugar cane with mosaic disease and free from mosaic disease during the season 1930-31 in Pusa, Bull. Intern. Soc. Sugar Cane Techn. 4th Congr. no.28. 4 p. Mr.1932.

Martin, J. P.
Abnormal growths of sugar cane. Bull. Intern. Soc. Sugar Cane Techn. 4th Congr. no.73. 24 p. incl. 22 pl. Mr.1932.

Martin, J. P.
Field control of mosaic disease in Hawaii. Bull. Intern. Soc. Sugar Cane Techn. 4th Congr. no.60. 1 p. Mr.1932.

Menéndez Ramos, R.
Experiences with cane varieties in the Island of Cuba. I. Bull. Intern. Soc. Sugar Cane Techn. 4th Congr. no.68. 23 p. illus. Mr.1932.

Moir, W. W. G.
Cane varieties or mutations? Bull. Intern. Soc. Sugar Cane Techn. 4th Congr. no.8. 5 p. Mr. 1932.

Moir, W. W. G.
The native Hawaiian canes. Bull. Intern. Soc. Sugar Cane Techn. 4th Congr. no.7. 8 p. Mr.1932.

North, D. S.
Obtaining resistant cane varieties for the control of gumming disease. Bull. Intern. Soc. Sugar Cane Techn. 4th Congr. no.30. 3 p. Mr.1932.

North, D. S.
Pokkah boeng. Bull. Intern. Soc. Sugar Cane Techn. 4th Congr. no.100. 2 p. Mr.1932.

Intern. Soc. Sugar Cane Techn. 4th Congr., 1932, Bull. & Proc. (cont.)

Rands, R.D. & Dopp, E.
An epidemic outbreak of red stripe disease of sugar cane and the reaction of some seedling progenies. Bull. Intern. Soc. Sugar Cane Techn. 4th Congr. no.46. 5 p. illus. Mr.1932.

Rands, R.D. & Summers, E. M.
Studies on apparent recovery of certain sugarcane varieties from mosaic in Louisiana. Bull. Intern. Soc. Sugar Cane Techn. 4th Congr. no.123. 7 p. Mr.1932.

Sein, F. Jr.
Artificial transmission and other studies on sugar-cane mosaic. Bull. Intern. Soc. Sugar Cane Techn. 4th Congr. no.84. 6 p. Mr.1932.

Tims, E.C. & Edgerton, C.W.
The red-rot disease. Bull. Intern. Soc. Sugar Cane Techn. 4th Congr. no.26. 5 p. Mr.1932.

Venkatraman, T. S. & Thomas, R.
Brief note on sugar-cane-sorghum hybrids. Bull. Intern. Soc. Sugar Cane Techn. 4th Congr. no.67. 8 p. incl. 6 pl. Mr.1932.

Venkatraman, T. S.
Sugar-cane breeding in different countries. Bull. Intern. Soc. Sugar Cane Techn. 4th Congr. no.44. 34 p. Mr.1932.

Wilbrink, G.
Diseases resembling leafscald. Bull. Intern. Soc. Sugar Cane Techn. 4th Congr. no.117. 8 p. incl. 3 pl. Mr.1932.
False-leafscald, fourth disease, wilting of the rajoengan.

Zwaluwenburg, R. H. van
The nematodes attacking sugar cane roots in Hawaii. Bull. Intern. Soc. Sugar Cane Techn. 4th Congr. no.5. 4 p. Mr.1932.

Intern. Soc. Sugar Cane Techn. 4th Congr.,1932, Bull. & Proc. (cont.)

Wilbrink, G.

[Four new diseases in Java transmitted by cuttings] Proc. Congr. Intern. Soc. Sugar Cane Techn. 4th, 1932: 69-76. pl. 1933.

Stipple mosaic, ring mosaic, Djatibarang spots, EK 28 spots.

Journ. Agr. Res. (Washington, D.C.) (1Ag84J)

Stone, W. E.

Normal growth of potato leaves in greenhouse and field. Journ. Agr. Res. 46: 565-578. illus. Mr.15, 1933 (Recd My.4) no.6.

Tysdal, H. M.

Influence of light, temperature, and soil moisture on the hardening process in alfalfa. Journ. Agr. Res. 46: 483-515. illus. Mr.15, 1933. (Rec'd My.4) no.6.

Walker, J.C.

Yellows-resistant lines of Jersey Wakefield cabbage. Journ. Agr. Res. 46: 639-648. illus. Ap.1, 1933 (Rec'd My.12)

Journ. Agr. Sci. (London) (10J822)

Martin, H. & Salmon, E. S.

The fungicidal properties of certain spraying fluids. X. Glyceride oils. Journ. Agr. Sci. 23: 228-251. illus. Ap.1933. no.2.

Norman, A. G.

A preliminary investigation of the development of structural constituents in the barley plant. Journ. Agr. Sci. 23: 216-227. Ap.1933. no.2.

Pitcaithly, N. P. & Worley, F.P.

Distribution of copper in the karaka tree (Corynocarpus laevigata). Journ. Agr. Sci. 23: 204-207. Ap.1933. no.2.

Journ. Bot. (London) (450J82)

Dandy, J. E.

The Winteraceae of New Zealand. Journ. Bot. 71: 119-122. My.1933. no.845.

Pseudowintera nom.nov. pro Wintera Forst. f. ex. Tiegh.

Journ. Bot. (cont.)

Hendey, N. I.

A preliminary note on the distribution of marine diatoms during the tertiary period. Journ. Bot. 71: 111-118. illus. My.1933. no.845.

Khanna, L. P.

A new Anthoceros from Burma. Journ. Bot. 71: 125-127. illus. My.1933. no.845.

Anthoceros parkinsonii.

McCall, D.

Diatoms (recent and fossil) of the Tay district. Journ. Bot. 71: 139. My. 1933. no.845.

Navicula peregrina intermedia (N. peregrina producta).

Norman, C.

A second note on Oenanthe in tropical Africa. Journ. Bot. 71: 134-135. My.1933. no.845.

Novitates africanae. (concl.). Journ. Bot. 71: 122-125. My.1933. no.845.

Pugsley, H. W.

James Groves (1858-1933). Journ. Bot. 71: 136-139. port. My.1933. no.845.

Watson, W.

Rubus latifolius Bab. and R. laetus Wm. Watson. Journ. Bot. 71: 127-130. My.1933. no.845.

R. laetus Wm. Watson (R. latifolius Focke) Further description of R. latifolius Bab.

Watson, W.

Rubus opacus subsp. nobilissimus, nov. Journ. Bot. 71: 130-134. My.1933. no.845.

Journ. Cell. & Comp. Phys. (Philadelphia) (444.8J22)

Brooks, M.M.

Studies on the permeability of living cells. XV. A review of the penetration into Valonia ventricosa of oxidation-reduction indicators including m-bromo phenol indophenol and guaiacol indophenol. Journ. Cell. & Comp. Phys. 3: 61-73. Ap.20, 1933. no.1.

Journ. Cell. & Comp. Phys. (cont.)

Fox, D. L.

Carbon dioxide narcosis. I-II. Journ. Cell. & Comp. Phys. 3: 75-100. illus. Ap.20, 1933. no.1.

I. Specific effects of carbon dioxide upon protoplasmic streaming and consistency in Nitella and upon the life of the cell. II. The effect of carbon dioxide compared with that of the hydrogen ion. The threshold of tolerance in Nitella to carbon dioxide and to the hydrogen ion.

Journ. For. (Washington, D.C.) (99.8F768)

Detwiler, S. B.

General aspects of the white pine situation. Journ. For. 31: 514-521. My.1933. no.5.

Stickel, P. W.

Drought injury in hemlock-hardwood stands in Connecticut. Journ. For. 31: 573-577. My. 1933. no.5.

Journ. Genetics (London) (442.8J823)

Catcheside, D. G.

Chromosome catenation in some F_1 Oenothera hybrids. Journ. Genetics 27: 45-69. illus. Mr.1933. no.1.

Philp, J.

The genetics and cytology of some interspecific hybrids of Avena. Journ. Genetics 27: 133-179. illus., pl.xiv. Mr.1933. no.1.

Progeny of crosses between the wild Avena fatua and the cultivated A. sativa.

Rhoades, M. M.

The cytoplasmic inheritance of male sterility in Zea mays. Journ. Genetics 27: 71-93. illus. Mr.1933. no.1.

Sansome, F.W.

Chromatid segregation in Solanum lycopersicum. Journ. Genetics 27: 105-132. illus. Mr.1933. no.1.

Appendix. The origin of tetraploid shoots from the callus of diploid tomatoes. by K. Mather p.127-132.

Journ. Genetics (cont.)

Winton, D. de. & Haldane, J. B. S.

The genetics of Primula sinensis. II. Segregation and interaction of factors in the diploid. Journ. Genetics. 27: 1-44. pl.i-xiii. Mr.1933. no.1.

Journ. N.Y.Bot. Gard. (89N48J)

Everett, T. H.

Ursinia anethoides. Journ. N.Y. Bot. Gard. 34: 104-106. illus. My. 1933. no.401.

Small, J. K.

Our largest ladies-tresses. Journ. N.Y. Bot. Gard. 34: 106-108. illus. My.1933. no.401.

Spiranthes odorata.

Stout, A. B.

Gum-jum or gum-tsoy: a food from the flowers of daylilies. Journ. N.Y. Bot. Gard. 34: 97-100. illus. My.1933. no.401.

Journ. Washington Acad. Sci. (500W276J)

Drechsler, C.

Morphological features of some more fungi that capture and kill nematodes. Journ. Washington Acad. Sci. 23: 267-270. illus. My.15, 1933. no.5.

Morton, C. V.

A remarkable new Trifolium from Washington. Journ. Washington Acad. Sci. 23: 270-271. My.15, 1933. no.5.

T. thompsoni.

K. Landtbr. Akad. Handl. o Tidskr. (Stockholm)

Aslander, A.

En undersökning av åkertistelns skottbildning. (A study of the shoot formation by Cirsium arvense L. Scop., corn thistle, Canada thistle). K. Landtbr. Akad. Handl. o Tidskr. 72: 219-253. illus. 1933. no.2.

English summary: p.252-253.

Lingnan Sci. Journ. (Canton, China) (22.5C16)

Kanehira, R.

On the ligneous flora of Formosa and its relationship to that of neighboring regions. Lingnan Sci. Journ. 12: 225-238. Ap.4, 1933. no.2.

Madroño (San Francisco) (450M26)
McMinn, H. E.
Two new species of Ceanothus from California. Madrono 2: 89-90. Ap. 1933. no.11.
C. serrulatus, C. ferrisae.

Maataloustiet. Aikak. [Agric. Mag] (Helsingfors) (20Su7M)
Valle, O.
Tammiston eristystöttersön sopivaisuudesta heinäkasvien jalostuksessa käytettäväksi. (Die anwendung der Tammisto-Tüte bei der gräserzüchtung). Maataloustiet. Aikak. [Agric. Mag] 5: 13-44. illus. 1933. no.1.
German summary: p.42-44.

Mitt. Deut. Landw. Ges. (Berlin) (18D48M)
Blunck, H.
Die umstellung im getreidebau und die pflanzenkrankheiten. III. Getreidemehltau, gelbrost, fritfliege und weizengallmücken. Mitt. Deut. Landw. Ges. 48: 377-378. illus. My.6, 1933. no.18.

Hopf,
Hederich eggen. Mitt. Deut. Landw. Ges. 48: 354-355. Ap.29, 1933. no.17.

Nolte, O. & Koch, H.
Unkrautbekämpfung durch chemische mittel. Mitt. Deut. Landw. Ges. 48: 353-354. Ap.29, 1933. no.17.

Modern Cemetery (Madison, Wis.) (98.8P212)
Ryan, J. C.
Practical suggestions for fighting weed pests and care of cemetery lawns. Modern Cemetery 43: 56-57. My, 1933. no.3.

Nat. Nut News (Chicago) (94.68N21)
McDaniels, L. H.
The behavior of northern nut varieties in the Ithaca (N.Y.) region. Nat. Nut News 16(5): 20-22. My.1933.

Nature (London) (472N21)
Gairdner, A. E.
Sporangia containing spermatozoids in ferns. Nature 131: 621-622. illus. Ap.29, 1933. no.3313.
Scolopendrium vulgare.

Nature (cont.)

Jackson, A.

Egyptian neolithic barley. Nature 131: 652. My.6, 1933. no.3314.

Specimens of grain which were found in the course of explorations carried out in Egypt by Miss. G. Caton-Thompson and Miss E. W. Gardner.

Naturwissensch. (Berlin) (474N213)

Wettstein, F.v.

Joseph Gottlieb Koelreuter. Naturwissensch. 21: 309-310. Ap.28, 1933. no.17.

Zum zweihundertsten geburtstag am 27, April 1933.

Nord. Jordbrugsforskn. (København) (11N752)

Tedin, O.

Nedärvningen av resistens mot klumprotsjuka (Plasmodiophora brassicae) hos rova (Brassica rapa v. rapifera) i förhallande till vissa morfologiska rotkaraktärer. Nord. Jordbrugsforskn. 1932:324-331. 1932. no.8.

English summary: p.330-331.

Nuovo Giorn. Bot. Ital. (Firenze) (450N92)

Bolzon, P.

Contributo alla flora dell'alto Adige. VIII. Nuovo Giorn. Bot. Ital. 40: 118-126. Ap.15, 1933. no.1.

Bruno, F.

Contribution allo studio dei cromoplasti. Nuovo Giorn. Bot. Ital. 40: 167-172. Ap.15, 1933. no.1.

Chiarugi, A.

Osservazioni cariologiche e sistematiche sui generi Kernera e Rhizobotrya (Cruciferae = Thlapsidinae). Nuovo Giorn. Bot. Ital. 40: 63-75. illus. Ap.15, 1933. no.1.

Rhizobotrya sect. of Kernera.

Corradi, R.

Anomalie dell' Equisetum maximum L. Nuovo Giorn. Bot. Ital. 40: 127-132. illus. Ap.15, 1933. no.1.

Nuovo Giorn. Bot. Ital. (cont.)

Forti, A.

Il fenomeno del "Lago di sangue" nello stagno di Pergusa in Sicilia alla metà di Settembre 1932. Nuovo Giorn. Bot. Ital. 40: 76-78. col.pl. i. Ap.15, 1933. no.1.

Colored by bacteria.

Marro, G.

Il riconoscimento delle specie Italiane del genere Equisetum. Fondato sui caratteri anatomici dell'apparato vegetativo. Nuovo Giorn. Bot. Ital. 40: 94-117. illus. Ap.15, 1933. no.1.

Milan, A.

Il numero delle cariossidi sulle spiche di grano sane e cariate in Confronto. Nuovo Giorn. Bot. Ital. 40: 79-93. pl.ii-v. Ap.15, 1933. no.1.

Pampanini, R.

Il papiro è autoctono in Sicilia? Nuovo Giorn. Bot. Ital. 40: 1-62. illus. Ap.15, 1933. no.1.

Pardi, P.

Embriologia della Periploca graeca L. Nuovo Giorn. Bot. Ital. 40: 141-166. illus. Ap.15, 1933. no.1.

Pigorini, L.

Considerazioni su gelsi ingialliti per fame. Nuovo Giorn. Bot. Ital. 40: 133-140. Ap.15, 1933. no.1.

Orchid Rev. (Richmond, Engl.) (80 Or15)

Smith, J.J.

Phalaenopsis serpentilingua, sp.nov. Orchid Rev. 41: 147-149. illus. My.1933. no.479.

Pharm. Journ. (London) (396.8P49)

Kirkby, W.

The nomenclature of plants. A study of English plant names. (concl.) Pharm. Journ. 130(IV, 76): 384. My.6, 1933. no.3627.

Phil. Trans. Roy. Soc. (London) (501L84Pb)

Black, M.

The algal sediments of Andros Island, Bahamas. Phil. Trans. Roy Soc. London Ser. B, 222: 165-192. illus., pl.21-22. My.2, 1933. noB488.

Phytopath. Zeitschr. (Berlin) (464.8P562)

Köhler, E.

Untersuchungen über die viruskrankheiten der kartoffel. I. Versuche mit viren aus der mosaikgruppe. Phytopath. Zeitschr. 5: 567-591. illus. 1933. no.6.

Kostoff, D.

Virus diseases causing sterility. Phytopath. Zeitschr. 5: 593-602. illus. 1933. no.6.

Langner, W.

Ueber die schüttekrankheit der kiefernnadel (Pinus silvestris und Pinus strobus). Phytopath. Zeitschr. 5: 625-640. illus. 1933. no.6.

Schaffnit, E. & Johnssen, A.

Beiträge zur kenntnis der blattrollkrankheit der kartoffel. Phytopath, Zeitschr. 5: 603-612. illus. 1933. no.6.

Untersuchungen über viruskrankheiten, II.

Schaffnit, E. & Wilhelm, A. F.

Beiträge zur kenntnis von kältewirkungen auf die pflanzliche zelle. III. Kühlversuche mit verschieden ernährten pflanzen und untersuchungen über deren stoffwechselphysiologie. Phytopath. Zeitschr. 5: 505-565. illus. 1933. no.6.

Stroede, W.

Ueber den einfluss von temperatur und licht auf die keimung der uredosporen von Puccinia glumarum f. sp. tritici (Schmidt) Erikss. et Henn. Phytopath. Zeitschr. 5: 613-624. 1933. no.6.

Plant Physiology (450P692)

Burns, G. R.

Photosynthesis in various portions of the spectrum. Plant Physiol. 8: 247-262. illus. Ap. 1933. no.2.

Dean, B. E.

Effect of soil type and aeration upon root systems of certain aquatic plants. Plant Physiology 8: 203-222. illus. Ap.1933. no.2.

Nuovo Giorn. Bot. Ital. (cont.)

Forti, A.

Il fenomeno del "Lago di sangue" nello stagno di Pergusa in Sicilia alla metà di Settembre 1932. Nuovo Giorn. Bot. Ital. 40: 76-78. col.pl. i. Ap.15, 1933. no.1.

Colored by bacteria.

Marro, G.

Il riconoscimento delle specie Italiane del genere Equisetum. Fondato sui caratteri anatomici dell'apparato vegetativo. Nuovo Giorn. Bot. Ital. 40: 94-117. illus. Ap.15, 1933. no.1.

Milan, A.

Il numero delle cariossidi sulle spiche di grano sane e cariate in Confronto. Nuovo Giorn. Bot. Ital. 40: 79-93. pl.ii-v. Ap.15, 1933. no.1.

Pampanini, R.

Il papiro è autoctono in Sicilia? Nuovo Giorn. Bot. Ital. 40: 1-62. illus. Ap.15, 1933. no.1.

Pardi, P.

Embriologia della Periploca graeca L. Nuovo Giorn. Bot. Ital. 40: 141-166. illus. Ap.15, 1933. no.1.

Pigorini, L.

Considerazioni su gelsi ingialliti per fame. Nuovo Giorn. Bot. Ital. 40: 133-140. Ap.15, 1933. no.1.

Orchid Rev. (Richmond, Engl.) (80 Or15)

Smith, J.J.

Phalaenopsis serpentilingua, sp.nov. Orchid Rev. 41: 147-149. illus. My.1933. no.479.

Pharm. Journ. (London) (396.8P49)

Kirkby, W.

The nomenclature of plants. A study of English plant names. (concl.) Pharm. Journ. 130(IV, 76): 384. My.6, 1933. no.3627.

Phil. Trans. Roy. Soc. (London) (501L84Pb)

Black, M.

The algal sediments of Andros Island, Bahamas. Phil. Trans. Roy Soc. London Ser. B, 222: 165-192. illus., pl.21-22. My.2, 1933. noB488.

Phytopath. Zeitschr. (Berlin) (464.8P562)

Köhler, E.

Untersuchungen über die viruskrankheiten der kartoffel. I. Versuche mit viren aus der mosaikgruppe. Phytopath. Zeitschr. 5: 567-591. illus. 1933. no.6.

Kostoff, D.

Virus diseases causing sterility. Phytopath. Zeitschr. 5: 593-602. illus. 1933. no.6.

Langner, W.

Ueber die schüttekrankheit der kiefernnadel (Pinus silvestris und Pinus strobus). Phytopath. Zeitschr. 5: 625-640. illus. 1933. no.6.

Schaffnit, E. & Jöhnssen, A.

Beiträge zur kenntnis der blattrollkrankheit der kartoffel. Phytopath, Zeitschr. 5: 603-612. illus. 1933. no.6.

Untersuchungen über viruskrankheiten, II.

Schaffnit, E. & Wilhelm, A. F.

Beiträge zur kenntnis von kältewirkungen auf die pflanzliche zelle. III. Kühlversuche mit verschieden ernährten pflanzen und untersuchungen über deren stoffwechselphysiologie. Phytopath. Zeitschr. 5: 505-565. illus. 1933. no.6.

Stroede, W.

Ueber den einfluss von temperatur und licht auf die keimung der uredosporen von Puccinia glumarum f. sp. tritici (Schmidt) Erikss. et Henn. Phytopath. Zeitschr. 5: 613-624. 1933. no.6.

Plant Physiology (450P692)

Burns, G. R.

Photosynthesis in various portions of the spectrum. Plant Physiol. 8: 247-262. illus. Ap. 1933. no.2.

Dean, B. E.

Effect of soil type and aeration upon root systems of certain aquatic plants. Plant Physiology 8: 203-222. illus. Ap.1933. no.2.

Plant Physiology (cont.)

Dexter, S. T.
Decreasing hardiness of winter wheat in relation to photosynthesis, defoliation, and winter injury. Plant Physiology 8: 297-304. Ap.1933. no.2

Dunn, S.
Relation of hydrophilic colloids to hardiness in cabbage, brussels sprouts, and alfalfa plants as shown by the dye absorption test. Plant Physiology 8: 275-286. illus. Ap.1933. no.2.

Glass, H. B.
Effect of light on the bioelectric potentials of isolated Elodea leaves. Plant Physiology 8: 263-274. illus. Ap.1933. no.2.

Hill, G.R., Jr. & Thomas, M. D.
Influence of leaf destruction by sulphur dioxide and by clipping on yield of alfalfa. Plant Physiology 8: 223-245. Ap.1933. no.2.

Himmel, W. J.
The tropograph and its use. Plant Physiology 8: 337-340. illus. Ap.1933. no.2.
Instrument for measuring the forces exerted by plants.

Hopkins, E. W.
Leaf-wrinkle, a nutritional disorder of soy bean. Plant Physiology 8:333-336. illus. Ap.1933. no.2.

Jacobson, H.G.M. & Swanback, T.R.
Relative influence of nitrate and ammoniacal nitrogen upon intake of calcium by tobacco plants. Plant Physiology 8:340-342. Ap.1933. no.2.

Jeffrey, R.N. & Cruess, W.V.
Gasometric method of estimating oxidase activity. Plant Physiology 8: 327-331. Ap.1933. no.2.

McHargue , J.S. & Calfee, R.K.
Further evidence that boron is essential for the growth of lettuce. Plant Physiology 8: 305-313. illus. Ap.1933. no.2.

Plant Physiology (cont.)

Morris, V. H. & Gerbel, R. W.
Rapid colorimetric determination of potassium in plant tissues. Plant Physiology 8: 315-319. Ap. 1933. no.2.

Oltman, R. E.
A new method and instrument for the quantitative determination of chlorophyll. Plant Physiology 8: 321-326. illus. Ap.1932. no.2.

Shull, C.A. & Mitchell, J. W.
Stimulative effects of x-rays on plant growth. Plant Physiology 8: 287-296. illus. Ap.1933. no.2.
Experiments with wheat, corn, oats and sunflower seedlings.

Woodhouse, E. D.
Sap hydraulics. Plant Physiology 8: 177-202. illus. Ap.1933. no.2.

Planta Arch. Wiss. Bot. (Berlin) (450P693)

Boysen Jensen, P.
Ueber den nachweis von wuchsstoff in wurzeln. Planta Arch. Wiss. Bot. 19: 345-350. Ap.19, 1933. no.2.
Experiments with Zea caragua, Vicia faba, Avena.

Boysen Jensen,P.
Ueber die durch einseitige lichtwirkung hervorgerufene transversale leitung des wuchsstoffes in der avenacoleoptile. Planta Arch. Wiss. Bot. 19: 335-344. illus. Ap.19, 1933. no.2.

Cammerloher, H.
Die bestäubungseinrichtungen der blüten von Aristolochia lindneri Berger. Planta Arch. Wiss. Bot. 19: 351-365. illus. Ap.19, 1933. no.2.

Klein, G. & Linser, H.
Zur bildung der betaine und der alkaloide in der pflanze. II. Stachydrin und trigonellin. Planta Arch. Wiss. Bot. 19:366-388. Ap.19, 1933. no.2.

Kugler, H.
Blütenökologische untersuchungen mit hummeln. V. Der blüteneinbruch von Bombus terrester L. Planta Arch. Wiss. Bot. 19: 279-298. illus. Ap.19, 1933. no.2.

Planta Arch. Wiss. Bot. (cont.)

Laibach, F. & Kornmann, P.
Zur methodik der wuchsstoffversuche.
Planta Arch. Wiss. Bot. 19: 482-484. illus.
Ap.19, 1933. no.2.

Poddubnaja-Arnoldi, W. A.
Künstliche kultur und zytologische untersuchung des pollenschlauches von Senecio platanifolius Benth. Planta Arch.Wiss. Bot. 19: 299-304. illus. Ap.19, 1933. no.2.

Sauer, H.
Blüte und frucht der oxalidaceen, linaceen, geraniaceen, tropaeolaceen und balsaminaceen. Vergleichend-entwicklungsgeschichtliche untersuchungen. Planta Arch. Wiss. Bot. 19: 417-481. illus., pl. i. Ap.19, 1933. no.2.

Schaede, R.
Ueber die symbionten in den knöllchen der erle und des sanddornes und die cytologischen verhältnisse in ihnen. Planta Arch. Wiss. Bot. 19: 389-416. illus. Ap.19, 1933. no.2.

Schlotmann, A.
Die amyloidfenster Ziegenspecks in den narbenpapillen von gräsern. Planta Arch. Wiss. Bot. 19: 305-312. illus. Ap.19, 1933. no.2.

Schlotmann, A.
Untersuchungen über die struktur pflanzlicher haare und fasern. Planta Arch. Wiss. Bot. 19: 313-334. illus. Ap.19, 1933. no.2.

Proc. Soc. Exp. Biol. & Med. (N.Y.) (442.9So1)

Macht, D.I.
Effects of snake venoms on plants. Proc. Soc. Exp. Biol. & Med. 30: 988-990. Ap.1933. no.7.
Poisons obtained from animal world are relatively non-toxic to plant protoplasm.

Proc. Roy. Soc. Ser. B. (London) (501L84B)

Asprey, G. F.
Studies on antagonism. II. The effect of previous immersion of potato tuber tissue in solutions of monovalent, divalent, and trivalent kations on the subsequent absorption of the ammonium ion. Proc. Roy. Soc. Ser. B.113: 71-82. My.1, 1933. no.B 780.

Proc. Roy. Soc. Ser. B.(cont.)

Briggs, G.E.
Experimental researches on vegetable assimilation and respiration. XXI. Induction phases in photosynthesis and their bearing on the mechanism of the process. Proc. Roy. Soc. Ser. B. 113: 1-41. My.1, 1933. no.B 780.

Chalk, L. & Chattaway, M.M.
Perforated ray cells. Proc. Roy. Soc.Ser. B. 113: 82-92. illus. My.1, 1933. no. B780.

Hedayetullah, S.
Meiosis in Oenothera missouriensis. Proc. Roy. Soc. Ser. B. 113: 57-70. 2 pl. My.1,1933. no.B780.

Proc. Wash. State Hort. Assoc. (81W273)

Harley, C.& Masure, M.P.
Fruit bud formation in the Delicious apple. Proc. Wash. State Hort. Soc. 28(1932): 134-137. [1933]

Harley, C.P. & Masure, M. P.
Studies on the interrelation of leaf area, soil moisture and nitrogen to fruit growth and fruit bud formation in the apple. Proc. Wash. State Hort. Soc. 28(1932): 212-216. [1933]

Heald, F.D. & Baker, K. F.
Some new observations concerning blue mold decay of apples. Proc. Wash. State Hort. Soc. 28(1932): 164-174. [1933]

Jones, L.K.
Virus diseases of raspberries in Washington. Proc. Wash. State Hort. Soc. 28(1932): 279-284. [1933]

Overholser, E. L., Claypool, L.L. & Overley, F.L.
A progress report of studies of "little leaf" of fruit trees in central Washington. Proc. Wash. State Hort. Soc. 28(1932): 160-163. [1933]
Mainly apple, pears and cherries affected.

Overholser, E. L.
Rate of ripening and firmness of strawberries as influenced by fertilizers and certain other factors. Proc. Wash. State Hort. Soc. 28(1932): 271-278. [1933]

Proc. Wash. State Hort. Assoc. (cont.)

Overley, F.L. & Garver, H.L.

Residue removal and its relation to the spray program and orchard growing conditions. Proc. Wash. State Hort. Soc. 28(1932): 89-101. [1933]

Reeves, E. L.

Some practical aspects of perennial canker control. Proc. Wash. State Hort. Soc. 28(1932): 76-81. [1933]

Yothers, M. A.

The relation of the woolly aphis to perennial canker of the apple. Proc. Wash. State Hort. Soc. 28(1932): 69-75. illus. [1933]

Queensl. Agr. Journ. (Brisbane) (23Q33)

Gurney, E. H.

Mint weed (Salvia lanceifolia). Queensl. Agr. Journ. 39: 164-165. Ap.1, 1933. no.4.

Repert. Spec. Nov. Beih. (Dahlem bei Berlin) (450R29B)

Bolle, F.

Ein übersicht über die gattung Geum L. und die ihr nahestehenden gattungen. Repert. Spec. Nov. Beih. v.72. 119 p. Mr.1, 1933.

Hayek, A. & Markgraf, F.

Prodomus florae peninsulae Balcanicae (cont.) Repert. Spec. Nov. Beih. v.30, pt.3, no.3. p.369-472. Mr.31, 1933.

Rev. Chil. Hist. Nat. (410R325)

Bullock, D. S.

Los nombres cientificos de Molina. Rev. Chil. Hist. Nat. 36: 113-117. 1932.

Donat, A.

Las areas de algunas plantas de la region de los "Bosques Australes". Rev. Chil. Hist. Nat. 36: 43-47. illus. (maps) 1932.

Drathen, T.

Seudoflores de Oenothera. Rev. Chil. Hist. Nat. 36: 135-136. 1932.

Rev. Chil. Hist. Nat. (cont.)

Espinosa B, Marcial R.

Un helecho nuevo chileno. Rev. Chil. Hist. Nat. 36: 92-97. illus. 1932.

Blechnum corralense n.sp.

Fuentes, F.

Sinopsis de las urticaceas chilenas conservadas en el Museo nacional de Santiago (Chile). Rev. Chil. Hist. Nat. 36: 152-161. illus. 1932.

Garaventa, H. A.

Lobelia anceps y Cardamine macrostachya en el litoral de Valparaiso. Rev. Chil. Hist. Nat. 36: 106-108. 1932.

Gunckel, H.

Dos especies del genero Alisma encontradas en Chile. Rev. Chil. Hist. Nat. 36: 42-43. 1932.

A. plantago-aquatica, A.lanceolatum.

Herrera, F. L.

La vegetacion de la Quebrada del Urubamba. Rev. Chil. Hist. Nat. 36: 122-135. illus. 1932.

Jaffuel, F.

El genero Pilularia, L. Rev. Chil. Hist. Nat. 36: 9-12. illus. 1932.

Johnston, I. M.

New records for the flora of the nitrate coast. Rev. Chil. Hist. Nat. 36: 4-8. 1932.

Northern Chile.

Parodi, L. R.

Sinopsis de las gramineas sudamericanas del genero Munroa. Rev. Chil. Hist. Nat. 36: 147-150. illus. 1932.

Porter, C. E.

Les naturalistes francais au Chili. Rev. Chil. Hist. Nat. 36: 109-113. port. 1932.

Claude Gay, Philibert Germain, Fernand Lataste, & others.

Rev. Chil. Hist. Nat. (cont.)

Santa Cruz, A.
La trupa o tabaco del diablo. Rev. Chil. Hist. Nat. 36: 98-100. illus. 1932.
Lobelia (Tupa)

Scala, A. C.
El sistema tanifero del leño y su importançia para la determinacion de las maderas. Rev. Chil. Hist. Nat. 36: 1-4. illus. 1932.

Urban, O.
La flora a orillas de la Bahia de Puerto Blest (Nahuelhuapi). Rev. Chil. Hist. Nat. 36: 150-152. 1932.

Rev. Gén. Bot. (Paris) (450R326)

Combes, R.
Contribution a l'étude biochimique forçage des plantes ligneues. Rev. Gén. Bot. 45: 133-158. Ap.1933. no.532.
Experiments with beech.

Fourcroy, M. Mlle.
Reconstitution de la structure normale dans des racines traumatisées. Rev. Gén. Bot. 45: 159-170. illus. Ap.1933. no.532.

Rhodora (Boston) (450R34)

Anderson, E.
The distribution of Iris versicolor in relation to the post-glacial Great Lakes. Rhodora 35: 154-160. maps. My.1933. no.413.

Fernald, M. L.
Callitriche anceps in New England. Rhodora 35: 185-186. My.1933. no.413.

Fernald, M. L.
Recent discoveries in the Newfoundland Flora. (cont.) Rhodora 35: 161-185. pl.243-245(maps) My.1933. no.413.

Lewis, I. F. & Taylor, W.R.
Notes from the Woods Hole laboratory, 1932. Rhodora 35: 147-154. pl.274. My.1933. no.413.
The David Starr Jordan Algae from Penikese Island. Penikese lichens of the 1924 survey. Changes in the Woods Hole algal vegetation. New records of marine algae. Disappearance of Zostera in 1932.

Rhodora.(cont.)
Taylor, W. R.
Epidemic among Zostera colonies. Rhodora 35: 186. My.1933. no.413.
Undetermined bacterial organism.

Rose Ann. Nat. Rose Soc. Gt. Brit.(84N21)
Bewley, W.F.
The investigation of rose diseases. Rose Ann. Nat. Rose Soc. Gt. Brit. 1933: 110-112. 1933.

Muskett, A. E. & Taylor, J.C.
Diseases of the rose. I. The control of rose rust by summer spraying. Rose Ann. Nat. Rose Soc. Gt. Brit. 1933: 135-139. 1933.

Page, C.
Rust (Phragmidium subcorticum). Rose Ann. Nat. Rose. Soc. Gt. Brit. 1931: 86-92. col.pl. 1931; 1932: 113-117. 1932; 1933: 143-149. 1933.

Williams, A. H.
Wild roses of the world. Rose Ann. Nat. Rose Soc. Gt. Brit. 1933: 25-38. plates. 1933.

Schweiz. Zeitschr. Obst- u.Weinb. (Wädenswil) (80Sch9)
Osterwalder, A.
Bekämpfungsversuche mit fungan gegen die schrotschusskrankheit und schorf. Schweiz. Zeitschr. Obst. u. Weinb. 69: 37-40. F.4, 1933. no.3.

Science (470Sci2)
Emerson, J.L. & Hildreth, A. C.
Preliminary report on reducing transpiration of transplanted evergreens. Science 77: 433-434. My.5, 1933. no.2001.

Jeffrey, E.C.
Arthur Hollick 1857-1933. Science 77: 440-441. My.12, 1933. no.2002.

Science News Letter (470Sci24)
Famous biblical names based on names of plants. Science News Letter 23: 316. My.20, 1933. no.632.
From Dr. E. Ha-Reubeni, botanist at Hebrew university in Jerusalem.

Sci. Papers Inst. Phys. & Chem. Res. (Tokyo) (513T577)
Sumi, M.
On the ergosterin content of various edible mushrooms in Japan. Sci. Papers Inst. Phys. & Chem. Res, (Tokyo) 20: 254-258. Ap.1933. no. 415/431.

Scott. For. Jour. (99.9R81T)
Ritchie, J. H.
Some observations on the honey agaric (Armillaria mellea syn. Agaricus melleus). Scott. For. Journ. 46: 132-142. illus. O.1932. no.2.

Scott. Journ. Agr. (Edinburgh) (10Sco82So)
Clouston, D. & Hill, A.
The use of chlorates as weed eradicators. Scott. Journ. Agr. 16: 196-208. Ap.1933. no.2.

Soil Sci. (Baltimore) (56.8So3)
Sessions, A.C. & Shive, J.W.
The effect of culture solutions on growth and nitrogen fractions of oat plants at different stages of their development. Soil Sci. 35: 355-374. My.1933. no.5.

Stahl, A.L. & Shive, J.W.
Studies on nitrogen absorption from culture solutions. I. Oats. Soil Sci.35:375-399. My. 1933. no.5.

Succulenta (Leeuwarden) (450Su1)
Karsten, M. C.
Huernia in woord en beeld. II. Succulenta 15: 82-91. illus. My.1933. no.5.

Svensk Bot. Tidskr. (450Sv2)
Blomqvist, S. G.
Aro sydskandinaviska arter under framrychning mot norr? Svensk Bot. Tidskr. 27: 38-55. 1933. no.1.

Ekman, E.
Contribution to the Draba flora of Greenland.V. Svensk Bot. Tidskr. 27: 97-103. 1933. no.1.
Draba crassifolia Graham, Draba gredinii n.spp.

Svensk Bot. Tidskr. (cont.)

Hesselman, H.
Selim Birger,1879-1931. Svensk. Bot.Tidskr. 27: 131-135. port. 1933. no.1.

Nannfeldt, J. A.
Heterotalli och hybridisering hos rostsvampar. Litteraturöversikt. Svensk Bot. Tidskr. 27: 104-107. 1933. no.1.

Nannfeldt, J. A.
Puccinia eutremae Lindr. found in Spitsbergen. Svensk Bot. Tidskr. 27: 116-117. illus. 1933. no.1.

Palm, B. T.
Haplosporangium decipiens Thaxt. funnen i Sverige. Svensk Bot. Tidskr. 27: 114-115. 1933. no.1.

Ridelius, K. G.
Några märkligare havsalgfynd från Gotland. (Einige bemerkenswerter meeresalgenfunde aus Gotland). Svensk Bot. Tidskr. 27: 77-96. 1933. no.1.
German summary: p.93-94.

Robak, H.
On the growth of three wood-destroying polyporeae in relation to the hydrogen-ion concentration of the substratum. Svensk Bot. Tidskr. 27: 56-76. 1933. no.1.
Polyporus zonatus, P. fuliginosus & P. annosus.

Samuelsson, G.
Carices muehlenbergianae Tuckerman i norden. Svensk Bot. Tidskr. 27: 1-37. illus. 1933. no.1.

Tectona (Buitenzorg) (99.8B65)

Schuitemaker, J. P.
Damar-onderzoek in West-Borneo (Damaruntersuchungen in West-Borneo). Tectona 26: 230-265. 5 pl. Mr.1933. no.3.
Brief German summary: p.264-265.

Trans. Amer. Micros. Soc. (440.9Am33)

Allen, W. E.
Surface phytoplankton obtained by the Templeton Crocker expedition of the California academy of sciences of 1932. Trans. Amer. Micros. Soc. 52: 101-102. Ap.1933. no.2.

Trans. Amer. Micros. Soc. (cont.)
Drouet, F.
Algal vegetation of the large Ozark Springs. Trans. Amer. Micros. Soc. 52: 83-100, incl. pl.x-xi. Ap.1933. no.2.

Tribune Hort. (Bruxelles) (80T73)
Cauw, E. de la
Notes sur la phytogéographie des cactées américaines. (cont.) Tribune Hort. 16: 245. Ap.22, 1933. no.849.

Reychler, L.
Vers l'évolution systématique chez les plantes par l'emploi de mutants. Tribune Hort. 16: 241-244. illus., pl. 593-596. Ap.22, 1933. no.849.
Cattleya.

Tropenpfl. (Berlin) (26T75)
Kaden, O. F.
Das kaffeesterben in Angola, eine physiologischen welkekrankheit. Tropenpfl. 36: 139-146. Ap.1933. no.4.

Trop. Agriculture West Indies (Trinidad) (26T754)
Briton-Jones, H. R.
Stripe disease of corn (Zea mays, L.) in Trinidad. Trop. Agriculture West Indies 10: 119-122. pl. v-vi. My.1933. no.5.

Tunisie Agr. Rev. Mens. Illus. (24T832)
Petit, A.
La transmission des rouilles des céréales et la recherche des moyens de préservation. Tunisie Agr. Rev. Mens. Illus. n.s.,34: 27-38. Mr.1933. no.2.

U.S. Dept. Agr. Plant Dis. Rep. (1.9P69P)
Recent information on tobacco downy mildew. U.S. Dept. Agr. Plant Dis. Rep. 17: 28-31. My.1, 1933. no.4.

Snyder, W.C.
Fusarium wilt of pea in California. U.S. Dept. Agr. Plant Dis. Rep. 17: 31-32. My.1, 1933. no.4.

Verh. K. Akad. Wetensch. Amsterdam 2. Sect. (503Am8V)
Luyten, I., Versluys, M. C. & Blaauw, A. H.
De optimale temperatuur van bloemaanleg tot bloei voor Hyacinthus orientalis. Verh. K. Akad. Wetensch. Amsterdam. 2. Sect., v.29, no.5. 64 p. 3 pl. 1932.
English summary.
Meded. Lab. Plantenphys. Onderz. Wageningen no.36.

Zeitschr. Zuckerind. Cechoslovak. Rep. (66.8Z3)
Neuwirth, F.
Beschädigung der zuckerrübe in der vegetationszeit durch die warme sonnenstrahlung. Zeitschr. Zuckerind. Cechoslovak. Rep. 57: 281-286. illus. Ap.28,1933. no.35.

Zentralbl. Bakt. Abt.II. (Jena) (448.3C33)
Beyma thoe Kingma, F.H. van
Beschreibung einiger neuer pilzarten aus dem Centraalbureau voor schimmelcultures, Baarn (Holland). Zentralbl. Bakt. Abt.II, 88: 132-141. illus. Ap.24, 1933. no.5/7.

Beyma thoe Kingma, F. H. van
On some moulds of the genus Monilia isolated from tobacco. Zentralbl. Bakt. Abt.II, 88: 124-131. illus. Ap.24, 1933. no.5/7.

Der Züchter (Berlin) (442.8Z8)
Baur, E.
Der heutige stand der rebenzüchtung in Deutschland. Der Züchter 5: 73-77. Ap.1933. no.4.

Buchinger, A.
Die keimprüfung in zuckerlösung (saugkraftbestimmung) und ihre bedeutung für die sortenkunde. Der Züchter 5: 88-94. Ap.1933. no.4.
Einige bemerkungen zu diesem aufsatz von Eduard Schratz.

Fleischmann, R.
Beiträge zur robinienzüchtung. Der Züchter 5: 85-88. illus. Ap.1933. no.4.

Schratz, E.
Entgegnung auf vorstehende "Bemerkungen von A. Buchinger". Der Züchter 5: 94-95. Ap. 1933. no.4.

Der Züchter (cont.)

Veh, R.von.

Ergebnisse einer entwicklungsgeschicht-cytologischen untersuchung der samenanlagen der apfelsorte "Schöner von Boskoop". Der Züchter 5: 77-85. illus. Ap.1933. no.4.

Exper.Stat. Publ.

Smith, O.

Studies of potato storage. Cornell Agr. Exp.Stat. Bull. 553. 57 p. illus. Mr.1933. (Rec'd May) (100N48C)

Wilson, A. L.

Relation of hydrogen-ion concentration to the growth of onions. Cornell Agr. Exp.Stat. Mem. 145. 59 p. illus. D.1932 (Rec'd May 1933) (100N48C)

Detjen, L.R. & McCue, C. A.

Cabbage characters and their heredity. Delaware Agr. Exp.Stat. Bull. 180. 147 p. incl. xiv pl. ii charts. Ja. 1933 (Rec'd My.) (100D37S)

Florida agricultural experiment station.

Plant pathology. Its Ann. Rep. 1931/32: 128-148. [1933] (100F66S)

W.B. Tisdale in charge.

Florida agricultural experiment station.

Studies relative to plant pathology problems in the Everglades. Its Ann. Rep. 1931/32: 199-202. [1933] (100F66S)

H.H. Wedgeworth in charge.

Anderson, D. A.

The production of gum by certain species of Rhizobium. Iowa Agr. Exp. Stat. Res. Bull. 158: 27-56. Ap.1933 (100Io9)

Beckwith, C. S.

Cranberry false blossom. New Jersey Agr. Exp. Stat. Circ. 275. 4 p. illus. Mr.1933.(Rec'd My.) (100N46S)

Exper. Stat. Publ. (cont.)

Blake, M. A.
Classification of 135 varieties and species of peaches and nectarines on basis of fruit bud set at New Brunswick. New Jersey Agr. Exp. Stat. Circ. 274. 4 p. Mr.1933 (Rec'd My.) (100N46S)

Gloyer, W. O.
Evaluation of applications of lime-sulphur for the control of apple scab. New York Agr. Exp. Sta. Bull. 624. 39 p. Mr.1933 (Rec'd My.) (100N48)

Horsfall, J.G. & Kertesz, Z.I.
Abnormal enlargement of peas from plants affected with root-rot. New York Agr.Exp.Stat. Bull. 621. 20 p. Mr.1933 (Rec'd My.) (100N48)

Howe, G. H.
New or noteworthy fruits. XI. New York Agr. Exp. Stat. Bull.620. 18 p. col.pl. Mr.1933.(Rec'd My.) (100N48)

Kertesz, Z. I.
Som carbohydrate changes in shelled green peas. New York Agr. Exp. Stat. Bull. 622. 14 p. Mr.1933 (Rec'd My.) (100N48)

Slate, G.L. & Rankin, W.H.
Raspberry growing in New York state: Cultural practices and disease control. New York Agr. Exp. Stat. Bull. 625. 62 p. illus. Ap.1933(Rec'd My.) (100N48)

Nebel, B. R.
Chromosome numbers in aneuploid apple seedlings. New York Agr. Exp. Stat. Techn. Bull.209. 12 p. Mr.1933 (Rec'd My.) (100N48)

Van Eseltine, G. P.
Notes on the species of apples. I.The American crabapples. New York Agr. Exp.Stat. Techn. Bull. 297, 22 p. illus, F.1933(Rec'd My.) (100N48)

Walker, J.C. & Snyder, W.C.
Pea wilt and root rots. Wisconsin Agr.Exp. Stat. Bull. 424. 16 p. illus. F.1933 (Rec'd My.) (100W75)

New books.

Benner, W. M.
The flora of Bucks County,Pennsylvania.
Philadelphia, 1932. (455.36B43)

Espinosa, R.
Oekologische studien über kordillerenpflanzen
(morphologisch und anatomisch dargestellt) Leipzig,
M. Weg, 1932. (457.4Es6).
Inaug.-diss. Jena.

Feekes, F. H.
Onderzoekingen over schimmelziekten van bolgewassen. Baarn, N.V. Hollandia-drukkerij,
1931. (464.08F32)
Proefschr. - Utrecht.
English summary: p.89-90.

Flora capensis... ed. by Sir A.W. Hill... v.5,
sect.II, Suppl. Ashford,Kent, L.Reeve &
Co., 1933. (460.46H26)

Kawakami,S.
Eiwa doku skokubutsugaku yogo shinjiten
[Botanical terminology in Japanese, English and
German]. Tokyo, Taiyo-do, 1932 (J452.12K17)
Japanese terms with English & German equivalents; English terms with Japanese and German
equivalents; German terms with Japanese and English
equivalents; Japanese names of plants with English
common name and generally scientific name.

Lécomte, H.
Flore générale de l'Indo-chine... v.3, f.8.
Paris, Mr.1933 (460.13L49)
Styracacées, symplocacées, par A.Guillaumin;
Oléacées, par F. Gagnepain; Salvadoracées, par P
Dop; Apocynacées, par J. Pitard.

Meijer, A. S. C.
Bijdrage tot de kennis der volksgeneeskruiden van Nederlandsch West-Indië, II. Utrecht
Drukkerij G.J. Willemse, 1932 (452.82M47)
Proefschr.-Utrecht.

Meyer, H.
Buch der holznamen. The book of woodnames. v.1(A-Ca)
... Hannover, M.& H. Schaper, 1933.

New books. (cont.)

Northwest crop improvement association.
Dictionary of spring wheat varieties,1933.
Minneapolis, 1933.

Peattie, D. C.
A natural history of Pearson's Falls and some of its human associations. [Spartanburg, S.C., 1932] (409P32)
Flora: p.11-33.(near Tryon, N.C.)

Rawlins, T. E.
Phytopathological and botanical research methods. N.Y., J. Wiley & Sons,1933. (463.1R19)

Schell, H.
Ein beitrag zur abbaufrage bei sommergerste. Anhang: Kritisches zur saugkrafttheorie. Giessen, 1932. (59Sch2)
Inaug.-diss. Giessen.
Mimeographed.

Sorensen, H. G.
The identification of certain new cane varieties in Cuba... Habana, Cuba sugar club,1932.(65C8982)
In English and Spanish.

Stevens, G. A.
Climbing roses. N.Y., Macmillan,1933.(97S743C)

Thomson, R. B.
Report on the opening of the Botanical laboratories, University of Toronto. Toronto, Dept. of University extension, 1932.(451.1T63)

Uyldert, I. E.
De invloed van groeistof op planten met intercalaire groei. Santpoort, C.A. Mees, 1931. (463.36Uy6)
Proefschr. Utrecht.
Tradescantia fluminensis, Bryophyllum calycinum, Dianthus plumarius, Galeopsis tetrahit.

Vloten, H.van
Rhabdocline pseudotsugae Sydow, oorzaak eener ziekte van douglasspar. Santpoort, C.A. Mess, 1932.(Meded. Lab. Mycol. en Aardapplelonderz. Wageningen no.63) (464.04W12)
German summary: p. 123-160.

Reprints from Journals not yet rec'd or not available.

Burkart, A.

Dos nuevas compuestas del género Chaptalia, con una sinopsis de las especies argentinas del mismo género. Reprinted from Physis. 11: 100-105. illus. D.31, 1932.

C. modesta, C. ignota.

Komatsu, S., Ozawa, S. & Makino, Y.

Biochemical studies on the "maturity" of sugar cane. Reprinted from Mem. Coll. Sci. Kyoto Imp. Univ. Ser. A, v.16, no.1, 125 p. xiii pl. 1933. (65K833)

Translations filed in the Library of the Bur. of Plant Industry

Booberg, G. & Broekhuizen, S.

Suikervorming en rijpingsverloop bij suikerriet (Sugar formation and ripening in sugar cane)I. Arch. Suikerind. Nederl. Indië 1932, pt.3(Meded. 18): 1259-1324. 1932.

Corell, L.

Befruchtung der Yucca durch motten (Yucca fertilization by moths) Natur u. Mus. 62: 365-367. N.1932.

Buyot, A.L.

Quelques observations nouvelles sur les Ligniera radicicoles (Some new observations on root-inhabiting Ligniera) Rev. Path. Vég. & Ent. Agr. 14: 176-183. 1927.

Morstatt, H.

Maladies des feuilles de l'Agave sisal (Diseases of the leaves of sisal agave) Agr. et Élev. Congo Belge 7: 49-51. Ap.1,1933.

BOTANY
CURRENT LITERATURE

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY.
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C.

Vol. 15, no. 11. May 22-June 3, 1933.

Agr. Gaz. N.S.W. (Sydney) (23N472)
Benton, R.J. & Barnett, G. B.
To control brown spot of passion fruit.
Agr. Gaz. N.S.W. 44: 317-318. Ap.1, 1933. no.4.

Agr. Progr. (London) (10Ag86)
Hodson, W. E. H.
Hot water treatment and its application to the control of certain plant pests. Agr. Progr. 10: 180-183. 1933.

Smith, A.M. & Robertson, I.M.
The identification of potato varieties by chemical methods. Agr. Progr. 10: 168-171. 1933.

Amer. Journ. Bot. (450Am36)
Avery, G. S. jr.
Structure and germination of tobacco seed and the developmental anatomy of the seedling plant. Amer. Journ. Bot. 20: 309-327. illus. My.1933. no.5.

Cooper, D. C.
Nuclear divisions in the tapetal cells of certain angiosperms. Amer. Journ. Bot. 20: 358-364. pl.16-17. My. 1933. no.5.

Foster, A.S. & Barkley, F. A.
Organization and development of foliar organs in Paeonia officinalis. Amer. Journ. Bot. 20: 365-385. illus., pl. 18-21. My. 1933. no.5.

Smith, F. H.
Nuclear divisions in the tapetal cells of Galtonia candicans. Amer. Journ. Bot. 20: 341-347. illus., pl. 15. My. 1933. no.5.

Amer. Journ. Bot. (cont.)

Sylwester, E. P. & Countryman, M. C.
A comparative histological study of crowngall and wound callus on apple. Amer. Journ. Bot. 20: 328-340. illus., pl. 13-14. My. 1933. no.5.

Whitaker, T.W. & Chester, K. S.
Studies on the precipitin reaction in plants. IV. The question of acquired reactions due to grafting. Amer. Journ. Bot. 20:297-308. My. 1933. no.5.

Amer. Rose Ann. (81Am31A)

Parsons, B. & Massey, L. M.
Rose-disease investigations, 4th progress report. Amer. Rose Ann. 1933: 87-101.

Rosen, H. R.
Leaf-shedding and wilt of roses. Amer. Rose Ann. 1933: 102-104.
Verticillium.

Rosenbluth, E. M.
Black-spot control substantiated. Amer. Rose Ann. 1933: 105-106. pl. xvi-xvii.

Ann. Épiph. (Paris) (464.9F84)

Dufrenoy, J.
Modifications pathologiques du métabolisme cellulaire chez les tabacs. Ann. Epiph. 18: 259-280, 282-316. illus., pl. Jl./Ag., S./O.1932. no.4,5.

Gaudineau, M.
Sur quelques facteurs de l'infection du blé par la carie, Tilletia tritici (Bjerk), Wint. Ann. Épiph. 18: 340-355. S./O. 1932. no.5.

Labrousse, F.
Essais sur la technique bacteriologique en pathologie vegetale. I- Ann. Épiph. 18: 221-249, 317-339. plates. Jl./Ag., S./O. 1932. no.4,5.
I. Application à l'étude d'un certain nombre de maladies. II. Le fil, flétrissement bactérien de la tomate (Bacterium solanacearum E.-F. Smith).

Ann. Mycol. (Berlin) (450An76)

Ciferri, R.

Mycoflora domingensis exsiccata. (Cent. II, no.101-200). Ann. Mycol. 31: 144-167. 1933. no.3.

Fischer, E.

Gastromyceteae stahelianae. Ann. Mycol. 31: 113-125. illus. 1933. no.3.

Pirogaster? stahelii; Geastrum setosum, G. cupulare, G. stahelii n.spp.

Goidànich, G.

Intorno ad alcuni micromiceti nuovi o rari. Ann. Mycol. 31: 134-143. pl. iii-iv. 1933. no.3.

Neighborhood of Bologna.

Scopularia scopula, Acrothecium scopulae, Mesobotrys macroclada, Monotospora altissima, Helicomyces roseus n.spp.

Lohwag, H.

Zur kenntnis der manschette von Amanita. Ann. Mycol. 31: 126-133. illus. 1933. no.3.

Redinger, K.

Graphidineen von Celebes und Java. Ann. Mycol. 31: 168-180. illus., pl. v. 1933. no.3.

Rogers, D. P.

A taxonomic review of the Tulasnellaceae. Ann. Mycol. 31: 181-203. pl. vi-vii. 1933. no.3.

Ann. di Bot. (Roma) (450An71)

Bambacioni-Mezzetti, V.

Osservazioni morfologiche e micro-chimiche sui semi in via di sviluppo di Tulipa gesneriana L. Ann. di Bot. 20: 1-11. pl. i. Mr.10, 1933. no.1.

Bambacioni-Mezzetti, V.

Ricerche fisiologiche intorno all'azione di soluzioni saline pure e di miscele di sali sulla sensibilità geotropica delle radici. Ann. di Bot. 20: 27-37. Mr.10, 1933. no.1.

Experiments with Vicia sativa.

Cappelletti, C.

Ricerche sulla microflora degli stimmi nelle piante alpine. Ann. di Bot. 20: 44-82. Mr.10, 1933. no.1.

Ann. di Bot. (cont.)

Donzelli, C.
Sulla capacità delle piante superiori ad utilizzare sostanza organica. Ann. di Bot. 20: 143-165. illus. Mr.10, 1933. no.1.

Dragone-Testi, G.
Azione di alcuni alcaloidi sullo sviluppo di Chlamydomonas e di Euglena. Ann. di Bot. 20: 38-43. Mr.10, 1933. no.1.

Dragone-Testi, G.
Significato degli alcaloidi nella biologia vegetale. Ann. di Bot. 20: 106-123. Mr.10, 1933. no.1.

Dragone-Testi, G.
Significato fisiologico dei lipoidi nel Viburnum tinus L. Ann. di Bot. 20: 12-23. pl. ii-iii. Mr.10, 1933. no.1.

Lusina, G.
Secondo contributo alla conoscenza della flora della Dancalia e dell'Abissinia. Ann. di Bot. 20: 136-142. Mr.10, 1933. no.1.

Tonzig, S.
Osservazioni sul ricambio purinico dei nucleoproteidi nelle piante. Ann. di Bot. 20: 83-105. Mr.10, 1933. no.1.

Tonzig, S.
Sulla presenza e sul significato deo composti pirimidinici nelle piante. Ann. di Bot. 20: 124-135. Mr.10, 1933. no.1.

Ventura, M.
Sulla origine delle radici avventizie nei rami di Salvia grahami Benth. Ann. di Bot. 20: 24-26. pl. iv. Mr.10, 1933. no.1.

Ann. Bull. Dept. Agr. No. Rhodesia (24R343A)

Lewin, C. J.
Witchweed. (Striga lutea Lour. var. bicolor O. Kuntze). Ann. Bull. Dept. Agr. No. Rhodesia 2(1932): 51-54. F.1933.

Trapnell, C. G.
The grassland types of the central pastoral region of Northern Rhodesia. Ann. Bull. Dept. Agr. No. Rhodesia 2(1932): 5-15. F.1933.
Ecological survey, general report no.1.

Ann. Rep. Dept. Agr. Bengal (22D435)

Hector, G. P.

X-XI Annual report of the economic botanist, Bengal, for the year 1931-32. Ann. Rep. Dept. Agr. Bengal 1931/32: 29-39. 1933.

Includes Mycology (P.C. Kar mycological ass't): p.33-37.

Arch. Pharm. & Ber. Deut. Pharm. Ges. (Berlin) (396.8Ar2A)

Anselmino, E.

Die stammpflanzen von muira-puama. Arch. Pharm. & Ber. Deut. Pharm. Ges. 271: 296-314. illus. My. 1933. no.5.

Ptychopetalum uncinatum.

Bertho, A. & Liang, W. S.

Notiz über ein alkaloid aus Ceanothus americanus. Arch. Pharm. & Ber. Deut. Pharm. Ges. 271: 273-276. pl. My. 1933. no.5.

Atti Congr. Naz. Microbiol. 4th, Milano, 1932. (448.39C76)

Peyronel, B.

Assenza di micorrize nelle piante insettivore ed emiparassite e probabile significato della micorrizia. Atti Congr. Naz. Microbiol. 4th, Milano, 1932. p.84-87. 1932.

Ber. Deut. Bot. Ges. (Berlin) (451D48)

Hirmer, M.

Bemerkungen zur theorie der serialen spaltung der blätter. Ber. Deut. Bot. Ges. 51: 127-148. illus. Ap.27, 1933. no.3.

Eine erwiderung Herrn W.Troll.

Mägdefrau, K.

Versuche über den einfluss der ernährung auf den thallusbau von Marchantia polymorpha. Ber. Deut. Bot. Ges. 51: 106-111. illus. Ap.27, 1933. no.3.

Poellnitz, K. v.

Zur kenntnis der gattung Talinum Adans. (Portulacaceae). Ber. Deut. Bot. Ges. 51: 112-127. Ap.27, 1933. no.3.

T. denticulatum, T. fallax, T. sediforme n.spp. Vorläufige mitteilung.

Ber. Deut. Chem. Ges. (Berlin) (384B45)

Asahina, Y. & others.

Untersuchungen über flechtenstoffe. XIX-XXII. Ber. Deut. Chem. Ges. 66:641-649, 649-655, 689-699, 700-703. My.3, 1933. no.5.

XIX. Ueber alectoronsäure, eine neuen bestandteil aus den hellfarbigen Alectoria-arten. XX. Ueber collatolsäure, eine monemethyläther-alectoronsäure. XXI. Ueber salazinsäure. (I.). XXII. Ueber cetrarsäure.

Orechoff, A.

Ueber Sophora-alkaloide. I-II. Ber. Deut. Chem. Ges. 66: 621-625, 625-630. My.3, 1933. no.5.

M. Rabinowitch & R. Konowalowa, joint authors I, S. Norkina & H. Gurewitch, II.

I. Ueber die alkaloide des krautes von Sophora pachycarpa. II. Ueber die alkaloide von Thermopsis lanceolata.

Späth, E.

Ueber pflanzliche fischgifte II-III. Ber. Deut. Chem. Ges. 66: 749-754, 754-760. My.3, 1933. no.5.

II. Zur konstitution von peucedanin und oreoselon (aus Peucedanum officinale). III. Konstitution des osthols (aus Imperatoria ostruthium).

K. Klager joint author II, O. Pesta, III.

Better Fruit (Portland,Ore.) (80B46)

Overholser, E. L., Overley, F. L. & Claypool, L.L.

Cork or drought spot in apples or pears. (concl.) Better Fruit 27(11): 11. My.1933.

Biochem. Journ. (London) (382B52)

Hulme, A. C.

A note on the use of alcohol as a sugar extractant in plant tissue analysis. Biochem. Journ. 27: 116-120. 1933. no.1.

Boll.Sez. Ital. Soc. Intern. Microbiol. (Milano) (448.3Sol)

Carbone, D. & Canonici, O.

Contribution à la technique de l'agglutination des spores des Aspergillus. Boll. Sez. Ital. Soc. Intern. Microbiol. 5: 20-21. Ja.1933. no.1.

A. fumigatus, A. niger.

Bot.Közlem. (Budapest) (450N85)

Aczél, M.

A Cercidothrix és Calycocystis subgenusokba tartozó hazai Australgalus fajok anatomiája. (Zur anatomie der zu den untergattung Cercidothrix und Calycocystis gehörenden ungarländischen Astragalus arten). Bot. Közlem. 30: 70-100. illus. 1933. no.1/4.

German translation: p.88-100.

Margittai, A.

Ladmóc és környékének flórája. (Flora von Ladmóc und umgebung). Bot. Közlem. 30: 47-57. 1933. no.1/4.

German summary: p.57.

Pillich, F. & Winkler, L.

Uj növénykonzerváló eljárás. (Ein neues verfahren zur konservierung der pflanzen). Bot. Közlem. 30: 100-104. 1933. no.1/4.

German summary: p.104.

Polgár, S.

A Bakonyi Tobánhegy vegetációja. (Die vegetation des berges Tobán im Bakonyergebirge). Bot. Közlem. 30: 32-47. illus. 1933. no.1/4.

German summary: p.43-47.

Soó, R. v.

Osszehasonlító növényszociológiai tanulmányok. (Vergleichende pflanzensoziologische betrachtungen). I. Bot. Közlem. 30: 58-69. 1933. no.1/4.

German summary: p.67-69.

Trautmann, R.

A Mentha nemorosa Willd. és alakköre.(Mentha nemorosa Willd. und ihr formenkreis). Bot. Közlem 30: 22-32. illus. 1933. no.1/4.

German translation: p.26-32.

Bull. Counc. Sci. & Ind. Res. Austr. (Melbourne) (514Au72B)

McMillan, J. R. A.

Varieties of wheat in Australia. Bull. Counc. Sci. & Ind. Res. Austr. Bull. 72. 28 p. fold. chart. 1933.

A catalogue, with pedigree or source, and a genealogical chart showing the relationships of the more important varieties.

Bull. Jard. Bot. État Bruxelles (89B83)
Frémy, P.
Contribution a la flore algologique du Congo Belge d'après les récoltes du R.P.H. Vanderyst. Bull. Jard. Bot. Etat Bruxelles 9: 109-138. illus. D. 1932. no.3.

Ghesquière, J.
Contribution à l'étude des légumineuses principalement du Congo Belge. I. Les Cassia africains de la section Chamaecrista Benth. Bull. Jard. Bot. Etat Bruxelles 9:139-170, incl. ii pl. D.1932. no.3.

Robyns, W.
Contribution à l'étude des graminées du Congo Belge et du Ruanda-Urundi II. Panicées. Bull. Jard. Bot. Etat Bruxelles 9:171-202. incl. pl. iii. D.1932. no.3.

Bull. Mus. Hist. Nat. Paris (410.9P213)
Benoist, R.
Descriptions de nouvelles espèces du genre Staurogyne (acanthacées). Bull. Mus. Hist. Nat. Paris II, 5: 171-175. F.1933. no.2.
S. major, S. vicina, S. chapaensis, S. amaena, S. subcordata, S. tenera, S. brachystachya.

Camus, A.
Dendrocalamus birmanicus, bambou nouveau de Birmanie. Bull. Mus. Hist. Nat. Paris II, 4: 1044-1045. D.1932. no.8.

Camus, A.
Espèces nouvelles de chênes. Bull. Mus. Hist. Nat. Paris II, 5: 88-89. Ja.1933. no.1.
Quercus malacotricha, Lithocarpus burkillii.

Chevalier, A.
Plantes nouvelles ou peu connues de l'Afrique tropicale. I. Bull. Mens. Hist. Nat. Paris II, 5:155-162. illus. F.1933. no.2.
Fleurydora gen.nov. (F.felicis), Zanha vuilletii, Oldenlandia leclercii n.spp.

Chevalier, A.
Sur quelques clématites de l'ouest et du centre Africain. Bull. Mus. Hist. Nat. Paris II, 4: 1010-1012. D.1932. no.8.
Clematis djalonensis, C. chariensis n.spp.

Bull. Mus.Hist. Nat. Paris (cont.)

Chevalier, A.
Sur un Corrigiola de l'afrique tropicale. Bull. Mus. Hist. Nat. Paris II, 4:1008-1009. D.1932. no.8.
Corrigiola russelliana.

Chevalier, A.
Sur une plante fossile de la période fluviale saharienne. Bull. Mus. Hist. Nat. Paris II, 5:83-87. Ja.1933. no.1.
Phragmites maxima.

Chouard, P.
Deux ornithogales du jardin des plantes: leurs anomalies florales et leur histoire (Ornithogalum trigynum Red., O. pyramidale L.) Bull. Mus.Hist. Nat. Paris II, 4: 1035-1043. illus. D.1932. no.8.

Dop, P.
Un nouveau genre de verbenacées. Bull. Mus. Hist. Nat. Paris II, 4: 1052-1053. D.1932. no.8.
Karomia (K. fragrans)

Guillaumin, A.
Plantes nouvelles ou critiques des serres du Muséum. (cont.). Bull. Mus. Hist. Nat. Paris II, 4: 1031-1032. D.1932. no.8.

Humbert, H.
Sur deux asterées nouvelles de Madagascar en voie d'extinction. Bull. Mus. Hist. Nat. Paris II, 4: 1013-1019. illus. D.1932. no.8.
A. andohahelensis, A. mandrarensis.

Poupion, J.
La Victoria regia au Muséum. Bull. Mus. Hist. Nat. Paris II, 4: 1033-1034. illus. D.1932. no.8.

Reznik, A.
Un Ischaemum nouveau pour la Guinée Française. Bull. Mus. Hist. Nat. Paris II, 4: 1050-1051. D.1932. no.8.
Ischaemum rugosum var. segetum.

Reznik, A.
Graminées nouvelles ou mal connues de la Guinée-Française. Bull. Mus. Hist.Nat. Paris II, 4: 1046-1049. illus. D.1932. no.8.
Monium trichaetum.

Bull. Pop. Inform. Arnold Arb. (99.9Ar6B)
Anderson, E.
Shrubs attractive in late winter and early spring. Bull. Pop. Inform. Arnold Arb. IV, 1: 17-20. Ap.18, 1933. no.4.

Carnegie Mag. (Pittsburgh) (500C213)
Jennings, O. E.
The Jacob Wolle herbarium. Carnegie Mag. 7: 50-51. My.1933. no.2.
Bequeathed by Dr. W. J. Holland to the Carnegie Museum. The Wolle herbarium has been supplemented largely by collections of Dr. Holland. Other herbaria acquired by the Museum, are those of Prof. B.H. Patterson and John D. Shafer.

Bull. U. S. Golf Assoc. Green Sect. (Washington, D.C.) (60.18Un3
Reid, M. E.
The effects of soil reaction upon the growth of several types of bent grasses. Bull. U. S. Golf Assoc. Green Sect. 12: 196-212. O.1932. no.5.

Citrus Indust. (Tampa, Fla.) (80C49)
Winston, J. R.
Some factors influencing decay in Florida citrus fruits. Citrus Indust. 14(5): 20, 24. My.1933.

Compt. Rend. Acad. Agr. France (Paris) (14P215Bc)
Ribereau-Gayon,
Sur le mécanisme de l'action des composés cuivriques contre le mildiou. Compt. Rend. Acad. Agr. France 19: 550-555. My.10, 1933. no.16.

Compt. Rend. Acad. Sci. Paris (505P21)
Coupin, H.
Sur l'assimilation des glucides par les tubes polliniques. Compt. Rend. Acad. Sci. Paris. 196: 1529-1530. My.15, 1933. no.20.
In Narcissus pseudo-narcissus.

Hasenfratz, V.
Sur la présence d'un alcaloide non oxygéné dans Gelsemium sempervirens. Compt. Rend. Acad. Sci. Paris 196: 1530-1532. My.15, 1933. no.20.
Sempervirine.

Compt. Rend. Acad. Sci. Paris (cont.)

Lemesle, R.

De l'existence de trachéides aquifères chez le Calligonum. Compt. Rend. Acad. Sci. Paris 196: 1527-1528. illus. My.15, 1933. no.20.

Maire, R., Foëx, E., & Malençon, G.

Sur l'etiologie du bayoud, maladie au palmier dattier. Compt. Rend. Acad. Sci. Paris 196: 1349-1350. My.8, 1933. no.19.

? Cylindrophora albedinis.

Popesco, C. T.

Obtention par greffe d'un haricot vivace. Compt. Rend. Acad. Sci. Paris 196: 1433-1435. My.8, 1933. no.19.

Phaseolus vulgaris and Desmodium canadense.

Compt. Rend. Soc. Biol. Paris (442.9P21)

Chouard, P.& Galap, V.

L'amidon dans le genre Endymion (liliacées). Compt. Rend. Soc. Biol. Paris 112: 1626-1628. My.5, 1933. no.16.

Eichhorn, A.

Observations vitales sur les noyaux à structure non réticulée. Compt. Rend. Soc. Biol. Paris 112: 1625-1626. My.5, 1933. no.16.

Sinapis nigra.

Hurel-Py, G. Mlle.

Sur certains caractères de coloration des tanins dans la vacuole et sur l'existence supposée de complexes tanins-mucilage. Compt. Rend. Soc. Biol. Paris 112: 1622-1624. My.5, 1933. no.16.

Chrysanthemum frutescens.

Volkonsky, M.

Procédé rapide et simple de purification des cultures de champignons oomycètes. Compt. Rend. Soc. Biol. Paris 112: 1657-1658. My.5, 1933. no.16.

Contr. Dudley Herb. Stanford Univ. (451L53)

Applegate, E. I.

New western Erythroniums. Contr. Dudley Herb. Stanford Univ. 1: 188-190. 1933. no.5.

E. helenae, E.nudopetalum, E. giganteum leucandrum, E. grandiflorum chrysandrum.

Contr. Dudley Herb. Stanford Univ. (cont.)

Bacigalupi, R.

Two new species in Heuchera and Cuphea. Contr. Dudley Herb. Stanford Univ. 1: 191-193. 1933. no.5.

H. duranii, n.sp., Cuphea (Melvilla) oreophila T.S. Brandegee in herb., hucusque ined.

Wiggins, I. L.

New plants from Baja California. Contr. Dudley Herb. Stanford Univ. 1: 161-178, pl. 11-17. 1933. no.5.

Current Science. (Bangalore) (475Sci23)

Banerji, I. & Bhaduri, P.N.

Polyembryony in Solanaceae. Current Science 1: 310-311. illus. Ap.1933. no.10.

Deut. Landw. Presse (Berlin) (18D482)

Appel, O.

Tomatenkrankheiten. Deut. Landw. Presse 60: 247. suppl. col. pl. My.20, 1933. no.20.

Winkelmann, A.

Die unkrautbekämpfung mit chemischen mitteln. Deut. Landw. Presse 60: 219-220. My.6, 1933. no.18.

Empire Journ. Exp. Agr.(Oxford) (10Em7)

Newman, L. H.

The breeding of early-ripening varieties of spring wheat in Canada. Empire Journ.Exp. Agr. 1: 3-16. pl. i. Ap.1933. no.1.

Faserforsch. (Leipzig) (73.8F26)

Reko, V. A.

Altmexikanisches papier. Faserforsch. 10: 130-141. My.2, 1933. no.2.

Reko, V. A.

Die mexikanische reis-wurzel. Faserforsch. 10: 110-119. My.2, 1933. no.2.

Epicampes macroura.

Ross, J.H.H.

Die faser-agaven von Mexiko. Faserforsch. 10: 78-90. illus., map. My.2, 1933. no.2.

Flor. Exch. (N.Y.) (80F666)
Zimmerman, P. W. & Crocker, W.
The injurious effect of mercury vapor from bichloride of mercury in soil of rose houses. Flor. Exch. 81(21): 13. illus. My.27, 1933.

Fortschr. Landw. (Vienna) (19F77)
Krüger, K. & Staar, G.
Untersuchungen über auflaufschäden bei sommerweizen. Fortschr. Landw. 10:217-220. illus. My.15, 1933. no.8.

Gard. Chron. (London) (80G162)
Brown, N. E.
How long do our tuberous-rooted orchids live? Gard. Chron. III, 93: 332. My.13, 1933. no.2420.

Brown, N. E.
Urginea muirii, N.E.Br. Gard. Chron. III, 93: 334. My.13, 1933. no.2420.

Friend, H.
Herbs and herbalists. VI. The influence of Islam. Gard. Chron. III, 93: 348. My.20, 1933. no.2421.

Hall, A. D.
The transmission of tulip breaking. Gard. Chron. III, 93: 330-331. illus. My.13, 1933. no.2420.

Hutchinson, J.
A new white-flowered Lapponicum Rhododendron. Gard. Chron. III, 93: 333-334. My.13, 1933. no.2420.
Rhododendron microleucum, sp.nov.

McDade, C.
Irises in America. (concl.) Gard. Chron. III, 93: 335. My.13, 1933. no.2420.

Turrill, W. B.
Fritillaria glaucoviridis. A new species of Fritillaria from Asia Minor. Gard. Chron. III, 93: 334. My.13, 1933. no.2420.

Hadar (Jaffa) (80H11)
Eig, A.
Palestinian honey-yielding plants. II. Changes in the near future. Hadar 6: 94-96. Ap.1933. no.4.

Hadar (cont.)

Reichert, I. & Hellinger, E.

Penicillium rot on oranges and the conditions affecting its appearance in Palestine. Hadar 6: 90-93. Ap.1933. no.4.

Hilgardia (Berkeley, Cal.) (100C12H)

Crafts, A. S.

The use of arsenical compounds in the control of deep-rooted perennial weeds. Hilgardia 7: 361-372. Ap.1933. no.9.

Hoppe-Seyl. Zeitschr. Phys. Chem. (Berlin) (384Z38)

Raab, H. A. & Renz, J.

Beiträge zur kenntnis der giftstoffe der Amanitaarten. Hoppe-Seyl. Zeitschr. Phys. Chem. 216: 224-228. My.3, 1933. no.5/6.

Indian Journ. Agr. Sci. (Calcutta) (22Ag831)

Bose, R. D.

Studies in Indian pulses,4-5. Indian Journ. Agr. Sci. 2: 607-624, 625-637. col.pl. lxix-lxx. D.1932. no.6.

4. Mung or green gram (Phaseolus radiatus Linn.) 5. Urid or black gram (Phaseolus mungo Linn. var. Roxburghii prain).

Mitra, S. K. & Ganguli, P. M.

Studies in Surma Valley rices and their classification. Indian Journ. Agr. Sci. 2: 571-606. pl.lxciii. D.1932. no.6.

Uppal, B. N. & Desai, M. K.

Physiologic specialisation in Sclerospora graminicola (Sacc.) Schroet. Indian Journ. Agr. Sci. 2: 667-678. pl. lxxi. D.1932. no.6.

At least two physiological forms, one attacks Pennisetum typhoideum only, the other Setaria italica, S. magna, S. viridis & Euchlaena mexicana.

Ital. Agr. (Milan) (16Itl)

Carrante, V.

La produzione delle patate da semente e le malattie da virus. Ital. Agr. 70: 439-463. illus. Ap.1933. no.4.

Munerati, O.

Sulla possibilità di separare razze resistenti al carbone entro le comuni varietà di grano. Ital. Agr. 70: 383-385. illus. Ap.1933. no.4.

Jardinage (Paris) (80J282)
Heim, R.
Les maladies cryptogamiques des rameaux des coniferes. I. Les rouilles. Jardinage 20(173): 22-25. illus. My.1933.

Journ. Amer. Pharm. Assoc. (Easton, Pa.) (396.9Am33J)
Bukey, F. S. & Cunningham, R. W.
A study of Senicio riddellii. I.
Journ. Amer. Pharm. Assoc. 22: 399-404. My. 1933. no.5.

Journ. Amer. Soc. Agron. (Geneva, N. Y.) (4 Am34P)
Hill, D. D.
The chemical composition and grades of barley and oat varieties. Journ. Amer. Soc. Agron. 25: 301-311. My.1933. no.5.

Robinson, B. B.
Some physiological factors influencing the production of flax fiber cells. Journ. Amer. Soc. Agron. 25: 312-328. illus. My.1933. no.5.

Journ. Assoc. Off. Agr. Chem. (Washington, D. C.) (381As7)
Harris, M.
Qualitative detection of lead in spray residues. Journ. Assoc. Off. Agr. Chem. 16: 245-246. My.15, 1933. no.2.

Journ. Bath & West & South Co. Soc. Agr. (10B32)
Ogilvie, L. & Pearson, C. E.
Downy mildew of hops in the Bristol province in 1932. Journ. Bath & West & South Co. Soc. Agr. VI, 7: 193-195. 1933.

Ogilvie, L. & Mulligan, B. O.
Progress report on vegetable diseases. IV. Journ. Bath & West & South Co. Soc. Agr. VI, 7: 174-193. ii (i.e.3) pl. 1933.

Journ. Dept. Agr. So. Australia (Adelaide) (23So84)
Johnston, W. C.
Notes on the occurrence of a new weed at Sevenhills. Journ. Dept. Agr. So. Australia 36: 1039-1041. illus. Ap.15, 1933. no.9.
Iva axillaris.

Journ. Gen. Physiol. (Baltimore) (447.8J822)
Navez, A. E.
Growth-promoting substance and elongation of roots. Journ. Gen. Physiol. 16: 733-739. My.20, 1933. no.5.
Experiments with Lupinus, Avena and Zea.

Journ. Min. Agr. Gt. Brit. (10G79J)

Moore, M. H.

Spraying experiments on the control of pear scab at East Malling. Journ. Min. Agr. Gt. Brit. 40: 111-119. 2 pl. on 1. My.1933. no.2.

Journ. Roy. Agr. Soc. Engl. (London) (10R81)

Biffen, R. H.

Annual report for 1932 of the botanist. Journ. Roy. Agr. Soc. Engl. 93: 378-383. 1932.

Leafl. West. Bot. (San Francisco) (450L47)

Abrams, L.

Two introduced species of Atriplex in the San Francisco Bay region. Leafl. West. Bot. 1: 44. Ja.19, 1933. no.5.

A hortensis, A. rosea.

Eastwood, A.

Bottle-brushes in Californiana gardens and parks. (cont.) Leafl. West. Bot. 1: 33-34, 45-48. Ja.19, Mr.20, 1933. no.5,6.

Eastwood, A.

Ledum as a poisonous plant. Leafl. West. Bot. 1: 43. Ja.19, 1933. no.5.

L.columbianum, poisonous to cattle.

Eastwood, A.

A new Californian Fritillaria. Leafl. West. Bot. 1: 55. Mr.20, 1933. no.6.

F. phaeanthera.

Eastwood, A.

A new Mimulus. Leafl. West. Bot. 1: 44. Ja.19, 1933. no.5.

M. wolfi.

Eastwood, A.

A new Yerba santa. Leafl. West. Bot. 1: 40-41. Ja.19, 1933. no.5.

Eriodictyon capitata.

Eastwood, A.

Taxus brevifolia in Marin county, California. Leafl. West. Bot. 1: 38-39. Ja.19, 1933. no.5.

Leafl. West. Bot. (cont.)

Eastwood, A.
Two new species of western Galium. Leafl. West. Bot. 1: 55-56. Mr.20, 1933. no.6.
G. utahense, G. clementis.

Eastwood, A.
An undescribed lily from the Sierra Nevada of California. Leafl. West. Bot. 1: 41-43. Ja.19, 1933. no.5.
Lilium nevadense.

Howell, J. T.
Adventive Senecios. Leafl. West. Bot. 1: 56. Mr.20, 1933. no.6.

Howell, J. T.
New plants from old fields. Leafl. West. Bot. 1: 36-38. Ja.19, 1933. no.5.
Polygonum in Sonoma Valley, Mendicono County & San Francisco Bay, California.

Howell, J. T.
Plants worthy of note, III. Leafl. West. Bot. 1: 39-40. Ja.19, 1933. no.5.

Howell, J. T.
Some western Euphorbias of the section Anisophyllum. Leafl. West. Bot. 1: 51-54. Mr.20, 1933. no.6.
E. Guadalupensis n.sp., E. patellifera (E. pseudoserphyllifolia J. T. Howell, not Millspaugh)

Rose, L. S.
Western species of Oxalis. I. Leafl. West. Bot. 1: 49-51. Mr.20, 1933. no.6.

Stokes, S. G.
New western Eriogonums. II. Leafl. West. Bot. 1: 34-36. Ja.19, 1933. no.5.

Malayan Agr. Journ. (Kuala Lumpur) (22.5F312)

Cooke, F. C. & Jagoe, R. B.
Further observations on the dwarf coconut palm in Malaya. Malayan Agr. Journ. 21: 164-171. pl. Ap.1933. no.4.

Malayan Agr. Journ. (cont.)

Sands, N. H.

Notes on certain submerged aquatic weeds in padi fields. Malayan Agr. Journ. 21: 175-176. Ap. 1933. no.4.

Utricularia flexuosa, Blyxa malayana, Enyydrias angustipetala, and Chara gymnopitys.

Mezögazd. Kutat. Budapest (19M57)

Hauser, J.

A minöség elbírálása a gyakorlati búzanemesítésnel. (Die bestimmung der qualität bei der prakitschen weizenzüchtung). Mezogazd. Kutat. Budapest 6: 140-145. Ap.1933. no.4.

Brief German summary: p.145.

Mycologia (450M99)

Jenkins, A. E.

Additional studies of species of Elsinoe and Sphaceloma. Mycologia 25: 213-220. pl. 32-33. My./Je. 1933. no.3.

Parker, C. S.

A taxonomic study of the genus Hypholoma in North America. Mycologia 25: 160-212. illus., pl. 26-31. My./Je.1933. no.3.

Seaver, F. J.

Photographs and descriptions of cup-fungi. XIX. Mycologia 25: 157-159. pl.24-25. My./Je. 1933. no.3.

Snell, W. H.

Notes on boletes. II. Mycologia 25: 221-232. My./Je.1933. no.3.

Nachrichtenbl. Deut. Pflanzenschutzd. (Berlin) (464.9N11)

Folger, F.

Welche temperaturen sind für den eintritt der apfelblüte massgebend? Nachrichtenbl. Deut. Pflanzenschutzd. 12: 35-36. My.1933. no.5.

Nature (London) (472N21)

Pierson, R. K.

Fusion of pycniospores with filamentous hyphae in the pycnium of the white pine blister rust. Nature 131: 728-729. My.20, 1933. no.3316.

Naturwissensch. (Berlin) (474N213)

Kuhn, E.

Ueber die geschlechterverteilung bei Thalictrum polygamum und Th. dasycarpum. Naturwissensch. 21: 341-346. illus. My.12, 1933. no.19.

New Zeal. Journ. Agr. (Wellington) (23N48J)

Allan, H. H.

Notes on recently observed exotic weeds. 2. Three leguminous shrubs. New Zeal. Journ. Agr. 46: 233-234. illus. Ap.20, 1933. no.4.

Oxylobium callistachys, Pultenaea daphnoides, Calycotome spinosa.

Aston, B. C. & Bruce, J. A.

The chemistry of weed-killers. (cont.) New Zeal. Journ. Agr. 46: 230-232. Ap.20, 1933. no.4.

Northwest Science (Cheney, Wash.) (470N81)

Sclehuber, A. M.

Genetics of resistance to four physiologic forms of bunt in two winter wheat crosses. Northwest Science 7: 43-48. Je. 1933. no.2.

Physis (Buenos Aires) (516So12)

Burkart, A.

Dos nuevas compuestas del género Chaptalia, con una sinopsis de las especial argentinas del mismo genero. Physis 11: 100-105. illus. D.31, 1932.

C. modesta, C. ignota.

Lindquist, J. C.

Sobre la presencia de la Phytophtora capsici en la República Argentina. Physis 11: 170-174. illus. D.31, 1932. no.38.

Marchionatti, J. B.

Las helmintosporiosis de la cebada en la República Argentina. Physis 11: 107-114. illus. D.31, 1932. no.38.

Osten, C.

Una nueva especie de Gunnera del Uruguay: Gunnera herteri Osten n.sp. Physis 11: 176-178. illus. D.31, 1932. no.38.

Physis (cont.)

Parodi, L. R.
Algunas gramíneas argentinas nuevas o criticas. Physis 11: 129-138. illus. D.31, 1932. no.38.
Paspalum chaseanum, P. chacoense, Poa barrosiana, P. stuckertii.

Parodi, L. R.
Las balsas usadas por los aymarás en el lago Titicaca. Physis 11: 145-149. illus. D.31, 1932. no.38.
S. tatora, S. riparius.

Ringuelet, E. J.
Relaciones entre los caracteres histológicos y econógicos de trigos puros. Physis 11: 37-47. illus. D.31, 1932. no.38.
Observaciones y medidas en la hoja de cuatro variedades (Kanred, 38 M.A., Lin Calel, San Martin)

Rudorf, G. & Job. M. M.
Noticias sobre una bacteriosis en cultivo de alhelíes Matthiola incana var. annua. Physis 11: 122-127. illus. D.31, 1932. no.38.

Soriano, S.
Nota sobre algunas enfermedades de los vegetales producidas por virus en la República Argentina. Physis 11; 87-92. illus. D.31, 1932. no.38.

Proc. Ann. Congr. Asoc. Técn. Azuc. Cuba (65.9As5)

Menendex Ramos, R.
The calculation of mosaic infection in highly resistant cane varieties. Proc. Ann. Conf. Asoc. Tecn. Azuc. Cuba 6(1932): 22-27. [1933]
Mosaic disease resistance in some of the Java-Barbados seedlings: p.26-27.

Roig, J. T.
Cuban weeds. Proc. Ann. Confr. Asoc. Técn. Azuc. Cuba 6(1932): 51-84. [1932]
P. 74-84, systematic list with Spanish common names.

Proc. Linn. Soc. N.S.W. (Sydney) (514Sy2)

Carey, G. & Fraser, L.
The embryology and seedling development of Aegiceras majus Gaertn. Proc. Linn. Soc. N.S.W. 51: 341-360. illus. D.15, 1932. no.5/6(243/244)

Proc. Linn. Soc. N. S. W. (cont.)

Churchward, J. G.

The geographic distribution of Tilletia spp. on wheat in Australia in 1931. Proc. Linn. Soc. N.S.W. 57: 403-408. map. D.15, 1932. no.5/6(243-244).

Cunningham, G. H.

The Gasteromycetes of Australasia. XV. The genera Mesophellia and Castoreum. Proc. Linn. Soc. N.S.W. 57: 313-322. pl. vi. D.15, 1932. no.5/6.(243/244)

Jensen, H. L.

Contributions to our knowledge of the Actinomycetales. IV. The identity of certain species of Mycobacterium and Proactinomyces. Proc. Linn. Soc. N.S.W. 57: 364-376. illus. D.15, 1932. no.5/6(243/244)

McLuckie, J. & Burges, A.

Mycotrophism in the Rutaceae. I. The mycorrhiza of Eriostemon crowei F.v.M. Proc. Linn. Soc. N.S.W. 57: 291-312. illus. D.15, 1932. no.5/6(243/244)

Osborn, T.G.B., Wood, J.G. & Paltridge, T.B.

On the growth and reaction to grazing of the perennial saltbush, Atriplex vesicarium. An ecological study of the biotic factor. Proc. Linn. Soc. N.S.W. 57: 377-402. illus., pl. vii-ix. D.15, 1932. no.5/6(243/244)

Proc. Ohio Veg. Grow. Assoc. (75.90h3)

Alexander, L. J.

Progress report on control of tomato leaf mold. Proc. Ohio Veg. Grow. Assoc. 18(1933): 53-54. 1933.

Alexander, L. J.

The streak diseases of tomato with special reference to their occurrence in greenhouses. Proc. Ohio Veg. Grow. Assoc. 18(1933): 54-56. 1933.

Bushnell, J.

Injury to potatoes from improper placement of fertilizer. Proc. Ohio Veg. Grow. Assoc. 18(1933): 105-110. illus. 1933.

Pierstorff, A. L.

Soil acidity and scab control. Proc. Ohio Veg. Grow. Assoc. 18(1933): 87-93. 1933.

Proc. Ohio Veg. Grow. Assoc. (cont.)

Tilford, P. E.

The yellow dwarf disease. Proc. Ohio Veg. Grow. Assoc. 18(1933): 83-84. 1933.

Wilson, J. D.

The use of formaldehyde on outside vegetables. Proc. Ohio Veg. Grow. Assoc. 18(1933): 120-125. 1933.

Rep. Hokkaido Agr. Exp. Stat. (J107.6H68N)

Ito, S.

Primary outbreak of the important diseases of the rice-plant and common treatment for their control. Rep. Hokkaido Agr. Exp. Stat. no.28. 204, 7 p. vii pl. (1 col.), 3 diagrs. D.1932.

Japanese with English summary (7 p.)

Blast (Piricularia oryzae), sesame leaf spot (Ophiobolus miyabeanus), bakanae (Gibberella fujikuroi), other fungi on rice among them Helicoma echinosporium sp.nov.

Publ. R. Staz. Chim.-agr. Sper. Roma (105.4R66)

Campanile, S.

Composizione chimica delle spore di parassiti vegetali di cereali. Publ. R. Staz Chim.-agr. Sper. Roma no.286. 11 p. 1932.

"Analisi chimiche di spore di carboni, di carie e ruggini".

Rev. Agr. Guatemala (8G934)

Archila, M. A.

Enfermedades del cacao. Rev. Agr. Guatemala 11: 190-193. illus. Ap.1933. no.4.

Rev. Bryol. Lichénol. (Paris) (450R325)

Douin, C.

Le development basilaire de l'archégone. Rev. Bryol. Lichenol. 5: 111-130. pl. ii. Ap.10, 1933. no.2/3.

Gaume, R.

Contribution à l'étude de la flore bryologique de la Brie. II. Rev. Bryol. Lichenol. 5: 131-134. Ap.10, 1933. no.2/3.

Gyelnik, V.

Clavis et enumeratio specierum generis Peltigerae. Rev. Bryol. Lichenol. 5: 61-73. Ap.10, 1933. no.2/3.

Rev. Bryol. Lichénol. (cont.)

Jovet, P.
L'association à Fissidens crassipes Wils. au parc des Buttes-Chaumont (Paris). Rev. Bryol. Lichenol. 5: 74-82. illus. Ap.10, 1933. no.2/3.
Notes de bryologie urbaine. I.

Keissler, K. v.
Ueber eine Arnold'sche Melanotheca art. Rev. Bryol. Lichenol. 5: 136-137. Ap.10, 1933. no.2/3.
Leciographa centrifuga.

Lami, R.
Cololejeunea minutissima (Dum.) Schiffner à l'ile Çezembre. Rev. Bryol. Lichenol. 5: 139. Ap.10, 1933. no.2/3.

Potier de la Varde, R.
A propos de Stereophyllum virens Card. Rev. Bryol. Lichenol. 5: 135-136. Ap.10, 1933. no.2/3.
S. reclinatum (S. virens)

Potier de la Varde, R.
Recoltes bryologiques aux environs de Bozoum. Rev. Bryol. Lichenol. 5: 83-90. illus. Ap.10, 1933. no.2/3.
Fissidens smilioides, Archidium leptophyllum n.spp.

Thériot, I.
Barbula ventanica ou Barbula ventanae? Rev. Bryol. Lichenol. 5: 140. Ap.10, 1933. no.2/3.
B. ventanica (B. ventanae).

Thériot, I.
Mexican mosses. IV. Rev. Bryol. Lichénol. 5: 91-110. illus. Ap.10, 1933. no.2/3.

Thériot, I. & Meylan, C.
Une nouvelle espèce d'Isothecium: Isothecium marocanum Thériot et Meylan. Rev. Bryol. Lichénol. 5: 137-139. illus. Ap.10, 1933. no.2/3.

Rev. Hort. Organ. Soc. Hort. Romania (Bucurest) (80R328)

Alexandri, A. V.
Bolile cunoscute la tomate in România. Rev. Hort. Organ. Soc. Hort. Romania 11: 68-71. illus. My.1, 1933. no.123.
Pseudomonas vesicatoria, Phytobacter lycopersici,

Rev. Path. Vég. & Entom. Agr. (Paris) (464.9Sol)
Maublanc, A. & Guyot, A. L.
Sur quelques anomalies de champignons supérieurs. Rev. Path. Veg. & Entom. Agr. 20: 26-29. pl. ii. Ja. 1933 (Rec'd My.23) no.1.

Viennot-Bourgin, G.
Les urédinées de l'Adoxa moschatellina L. Rev. Path. Veg. & Entom. Agr. 20: 30-36. Ja. 1933. (Recd My.23). no.1.
P. adoxa, P. albescens.

Rev. Vitic. (Paris) (95.8R322)
Capus, J.
De la dose de sulfate de cuivre dans les bouillies contre le mildiou. Rev. Vitic. 78: 304-306. My.11, 1933. no.2028.

Rhodesia Agr. Journ. (Salisbury) (24R34)
Christian, H. B.
Notes on African aloes. VII. Rhodesia Agr. Journ. 30: 276-278. 3 pl. Ap. 1933. no.4.

Roczn. Nauk Rolnicz. i Leśn. (Polish Agr. & For. Ann.) (Poznań) (20.5R59)
Woyno, H.
Ktotki zarys morfologji zwenetrznęj i anatomji tytoniu Kentucky. (Uebersicht der morphologie und anatomie des tabaks Kentucky). Roczn. Nauk Rolnicz. i Lesn. (Polish Agr. & For. Ann.) 29: 427-464. pl. i-xiv. 1933. no.3.
German summary: p.451-453.

Sbornik Výzkumn. Ustavu Zeměd. ČSR. (Recueil Trav. Inst. Rech. Agron. Rép Tchecosl.) (Prague) (19.5C99S)
Kavina, K.
Botanická mikrotechnika. Sbornik Výzkumn. Ustavu Zeměd. ČSR. (Recueil Trav. Inst. Rech. Agron. Rep. Tchecosl.) v.86. 409 p. illus. 1932.
Stati o mikrofotografii a mikroprojekci, napsal Dr. Antonín Klečka.

Science (470Sci2)
Gould, C. N.
The most northern occurrence of mesquite on the Great Plains. Science 77: 511-512. My.26, 1933. no.2004.

Science (cont.)

Heinicke, A. J.
A special air-chamber for studying photosynthesis under natural conditions. Science 77: 516-517. illus. My.26, 1933. no.2004.

McNamara, H. C., Wester, R. E. & Gunn, K. C.
Persistent strands of the root-rot fungus in Texas. Science 77 : 510-511. My.26, 1933. no.2004.

Scient. Agr. (Ottawa) (7Sci2)

Brown, J. M., Savage, A. & Robinson, A. D.
A report of some investigations into the cause of sweet clover (Melilotus) disease. Scient. Agr. 13: 561-565. My.1933. no.9.

Kimball, D. A.
The influence of soil moisture differences on apple fruit color and condition of the tree. Scient. Agr. 13: 566-575. My.1933. no.9.

Kirk, L.E. & White, W. J.
Autogamous alfalfa. Scient. Agr. 13: 591-593. pl. My.1933. no.9.

Koch, L. W.
Investigations on black knot of plums and cherries, I. Development and dicharge of spores and experiments in control. Scient. Agr. 13: 576-590. illus. My.1933. no.9.

Newton, W. & Bosher, J. E.
The tomato root knot disease. Scient. Agr, 13: 594-595. My.1933. no.9.

Scient. Month. (470Sci23)

Howe, M. A.
Plants that form reefs and islands. Scient. Month. 36: 549-552. Je. 1933. no.6.

Tartu Ulik. Ent.-Kats. Tead.(Mitt. Versuchsst. Angew. Ent. Univ. Tartu)

Käsebier, A., Lepik, E., Veski, J. V. & Zolk, K.
Taimekaitse oskussonu. (Fachausdrücke aus dem gebiete des pflanzenschutzes). Tartu Ulik. Ent.-Kats. Tead.(Mitt. Versuchsst. Angew. Ent. Univ. Tartu). no.13. 85 p. 1932.

Techn. Commun. Imp. Bur. Fruit Prod. (84Im72)
Imperial bureau of fruit production.
Investigations on the standardization of citrus trees by propagation methods. Techn. Commun. Imp. Bur. Fruit Prod. no.3. 43 p. pl. N.1932.

Tijdschr. Plantenz. (464.8T44)
Buisman, C.
Verslag van de onderzoekingen over de iepenziekte, verricht in het phytopathologisch laboratorium Willie Commelin Scholten te Baarn, gedurende 1932.I. Tijdschr. Plantenz. 39: 77-94. Ap.1933. no.4.

Trans. & Proc. New Zeal. Inst. (Wellington, N. Z.)
Frankel, O. H.
A case of mass-occurrence of non-inherited chlorophyll defects in wheat. Trans. & Proc. New Zeal. Inst. 63: 142-143. F.1933. no.2.

Kylin, H.
On three species of Delesseriaceae from New Zealand. Trans. & Proc. New Zeal. Inst. 63: 109-111. illus., pl. 19-20. F.1933. no.2.
Erythroglossum undulatissimum (Nitophyllum); E. laingii, n.sp.; Abroteia suborbicularis.

Trudy Nauchno-Issled. Inst. Kukur.-Sorgov. Khoz. (Trans. Sci.-Res. Inst. Corn. & Sorghum Econ.) (Khar'kov) (59.9D64)
Borggardt, A. I.
Sovremennoe sostoianie voprosov v oblastipoznaniia boleznei kukuruzy [Present state of our knowledge of the diseases of maize]. Trudy Nauchno-Issled. Inst. Kukur-Sorgov. Khoz. (Trans. Sci.-Res. Inst. Corn & Sorghum Econ.) no.28. 53 p. illus. 1932.
Russian. English summary in Rev. Appl. Mycol. 12: 165.

U.S. Dept. Agr. Plant Dis. Rep. (1.9P69P)
Diehl, W. W.
Exobasidium monosporum on Camellia. U.S. Dept. Agr. Plant Dis. Rep. 17: 44. My.15, 1933. no.5.

Hedgcock, G. G.
Notes on the distribution of some species of Coleosporium in the United States and adjacent regions. U.S. Dept. Agr. Plant Dis. Rep. 17: 20-27. Ap.15, 1933. no.3.

U. S. Dept. Agr. Techn. Bull. (1Ag84Te)
Miller, R. L., Bassett, I. P. & Yothers, W.W.
Effect of lead arsenate insecticides on orange trees in Florida. U.S. Dept. Agr. Techn. Bull. 350. 20 p. F.1933.

Univ. Calif. Publ. Bot. (Berkeley) (500C125B)
Belling, J.
Critical notes on C.D. Darlington's "Recent advances in cytology". Univ. Calif. Publ. Bot. 17: 75-110. My.5, 1933. no.5.
Reply by C.D. Darlington: p.105-106.

McKay, H.H.
The life-history of Pterygophora californica Ruprecht. Univ. Calif. Publ. Bot. 17: 111-148. pl. 9-15. My.8, 1933. no.6.

Veröffentl. Geobot. Inst. Rübel. Zürich (451Z83)
Rübel, E.
Ergebnisse der Internationalen pflanzengeographischen erkursion durch Rumänien 1931. Veröffentl. Geobot. Inst. Rübel, Zürich h.10. 185 p. illus., pl. 1933.

Vict. Nat. (Melbourne) (410V66)
Coleman, E.
Pollination of Diuris sulphurea R.Br. Vict. Nat. 50: 3-8. illus. My.1933. no.1.

Nicholls, W.H. & Goadby, B. T.
A new Australian terrestrial orchid. Vict. Nat. 50: 22-23. illus. My.1933. no.1.
Acianthus tenuissimus.

Rupp, H. M. R.
An interesting Tasmanian orchid. Vict. Nat. 50: 18-21. illus. My.1933. no.1.
Townsonia deflexa or Acianthus viridis.

Watson's Micros. Rec. (London) (440.8W33)
Cook, W. R. I.
The water-moulds. (concl.) Watson's Micros. Rec. 29: 12-13. illus. My.1933.

Zeitschr. Pflanzernähr. Düng. u. Bodenk. A, Wiss. Teil. (Leipzig) (384Z343A)
Kisser, J. & Lettmayr, K.
Untersuchungen über die absorption von salzen durch samen. Zeitschr. Pflanzenernahr. Düng. u. Bodenk. A, Wiss. Teil. 29: 195-210. 1933. no.1/3.
Experiments with peas and wheat.

Zeitschr. Pflanzenernähr. Düng. u. Bodenk. A. Wiss. Teil (cont.)

Scholz, W.

Die chlorose der gelben lupine (Lupinus Luteus) in ihrer beziehung zum eisen. Zeitschr. Pflanzenernähr. Düng. u. Bodenk. A. Wiss. Teil 28: 259-298. 1933. no.5/6.

Scholz, W.

Knöllchenbildung und chlorose der gelben lupine (Lupinus luteus). Zeitschr. Pflanzenernähr. Düng. u. Bodenk. A, Wiss. Teil. 29: 59-64. 1933. no.1/3.

Scholz, W.

Kohlenhydratdüngung und chlorose der gelben lupine (Lupinus luteus). Zeitschr. Pflanzenernähr. Düng. u. Bodenk. A, Wiss. Teil. 29: 142-149. 1933. no.1/3.

Schröter, H.

Ueber die abhängigkeit der pflanzen vom kalkgehalt des standortes. Zeitschr. Pflanzenernähr. Düng. u. Bodenk. A. Wiss. Teil. 29: 131-141. 1933. no.1/3.

Zeitschr. Pflanzenkr. (Stuttgart) (464.8Z3)

Tubeuf, K. von.

Studien über symbiose und disposition für parasitenbefall sowie über vererbung pathologischer eigenschaften unserer holzpflanze. I. Das problem der hexenbesen. Zeitschr. Pflanzenkr. 43: 193-242. illus. My. 1933. no.5.

Zeitschr. Zücht. A. Pflanzenzücht. (Berlin) (450Z36)

Bleier, H.

Genetische und cytologische untersuchungen von weizenstämmen (Triticum vulgare) aus weizen-roggenbastardierungen (Triticum vulgare x Secale cereale). Zeitschr. Zücht. A. Pflanzenzücht. 18: 191-211. illus. Ap.1933. no.2/3.

Feldt, W. & Hertzsch, W.

Zwecke und ziele der futterpflanzenzüchtung. Zeitschr. Zücht. A. Pflanzenzücht. 18: 303-321. illus. Ap.1933. no.2/3.

Koernicke, M. & Riede, W.

Die soja-züchtungen des Botanischen institutes der landwirtschaftlichen hochschule Bonn-Poppelsdorf. Zeitschr. Zücht. A. Pflanzenzücht. 18: 341-356. illus. Ap. 1933. no.2/3.

Zeitschr. Zücht. A. Pflanzenzücht. (cont.)

Kuckuck, H.
Ueber die entstehung von wintergersten aus kreuzung von sommergersten und über die beziehungen der winterfestigkeit zum wintersommertyp. Zeitschr. Zücht. A. Pflanzenzücht. 18: 259-290. illus. Ap.1933. no.2/3.

Munerati, O.
Brusca apparizione di soggetti anomali nelle discendenze derivate da incrocio tra tipi diversi di barbatietole. Zeitschr. Zücht. A. Pflanzenzücht. 18: 370-371. illus. Ap.1933. no.2/3.

Munerati, O. & Costa, T.
Due singolari anomalie in Beta vulgaris L. Zeitschr. Zücht. A. Pflanzenzücht. 18: 372-374. illus. Ap. 1933. no.2/3.

Raum, H.
Ueber spindelgliedlänge und dickkopfform des weizens. Zeitschr. Zücht. A. Pflanzenzücht. 18: 179-190. Ap. 1933. no.2/3.

Roemer, T.
Transgressionszüchtung. Zeitschr. Zücht. A. Pflanzenzücht. 18: 168-178. Ap.1933. no.2/3

Schubart, E.
Wechselbeziehungen zwischen ertragsleistung und morphologischen merkmalen verschiedener luzerne-herkünfte unter besonderer berücksichtigung des samenertrages. Zeitschr. Zücht. A. Pflanzenzücht. 18: 322-340. Ap.1933. no.2/3.

Straib, W.
Ueber gelbrostanfälligkeit und -resistenz in den verschiedenen Triticum-reihen. Zeitschr. Zücht. A. Pflanzenzücht. 18: 223-240. Ap.1933. no.2/3.

Wettstein-Westersheim, W.v.
Zur frage der züchtung von forstpflanzen. Zeitschr. Zücht. A. Pflanzenzücht. 18: 357-369. illus. Ap.1933. no.2/3.

Zade, A.
Experimentelle untersuchungen über die auswuchsneigung als sorteneigenschaft des getreides. Zeitschr. Zücht. A. Pflanzenzücht. 18: 212-222. illus. Ap.1933. no.2/3.

Expt. Stat. Publ.

Stout, A. B.
The pollination of avocados. Florida Agr. Exp. Stat. Bull. 257. 44 p. illus. Mr.1933. (Recd My.) (100F66S)

Nelson, R. & Cochran, L. C.
Early blight threatens Michigan 1933 celery crop. Mich. Agr. Exp. Stat. Quart. Bull. 15: 294-298. illus. My. 1933 no.4. (100M58S)

Westveld, R. H.
Preliminary results in eradicating weeds with zinc sulphate and by burning in forest nursery seed beds. Mich. Agr. Exp. Stat. Quart. Bull.15: 254-261. My.1933 no.4. (100M58S)

Peltier, G. L.
The relative susceptibility of alfalfas to wilt. Nebraska Agr. Exp. Stat. Res. Bul. 66. 16 p. Ap. 1933(100N27)

New Jersey agricultural experiment station - Dept. of palnt pathology.
Penicillium rot of Gladiolus. Its Nursery Dis. Notes. 5(11): 1-2. My.1933 (464.9N46)
Control measures.

New Jersey agricultural experiment station - Dept. of plant pathology.
Rose mosaic notes. Its Nursery Dis. Notes 5(11): 2-4. My.1933. (464.9N46)

McWhorter, F. P. & Brierley, P.
Control measures for Botrytis diseases of tulips and lilies. Sprays suggested for field trials. Oregon Agr. Exp. Stat. Circ. Inform. no.88. 3 p. Ap.21, 1933 (100Or3C)

New Books.

Andries, H.E., ed.
Controlling plant pests in southern Africa. Johannesburg, Cooper & Nephews, 1932 (423An22)

Bailey, L. H.
The cultivated conifers in North America, comprising the pine family and the taxads. N.Y., Macmillan, 1933 (99.05B15C)
Successor to The cultivated evergreens.

New Books. (cont.)

Bailey, L. H.
How plants get their names. N.Y., Macmillan, 1933. (452.04B15)

Congrès international pour la protection de la nature, 2., Paris, 1931.
Procès-verbaux... Paris, 1932 (279.9C76)
Flore: p.186-278.

Dordević, P.
Bakterioza slavonskikh khrastova. [Bacteriosis of the Slavonic oak]. Beograd, 1931. (464.07D64)
Serbian.

Fournier, P.
Voyages et découvertes scientifiques des missionnaires naturalistes francais à travers le monde. (XV^e^ à XX^e^ siècles). Paris, Lechevalier, 1932. (Encyclopédie biologique X) (409F823)

Gaussen, H.
Géographie des plantes. Paris, A. Colin, 1933 (452.9G23)

Haberlandt, G.
Erinnerungen, bekenntnisse und betrachtungen. Berlin, J. Springer, 1933. (120H11)

Hanson, V. T.
Practical tree surgery. Appleton, Wis., C. C. Nelson, 1932 (99.05H19)

Hooker's icones plantarum. V. 2(v.32). pt.3.
My.1932 (Rec'd May 1933) (450H761)

Keissler, K.v.
Moriolaceae. Leipzig, 1933 (Dr. L. Rabenhorst's Kryptogamen-flora von Deutschland, Oesterreich und der Schweiz IX. bd., abt.I, 1, p.1-43) (461R11)

Lisenko, T. D.
Iarovizatsiia sil's'ko-gospodars'kikh roslin ["Iarovization" of agricultural plants]. Kharkiv, 1932. (64L68)
Russian.

New Books. (cont.)

Miestinger, K.

Wichtige schädlinge und krankheiten der rübe in Oesterreich. Wien, Agrarverlag, 1932. (Bauernschriften nummer 37. Niederösterreichische landeslandwirtschaftskammer). illus. (428M582)

Mit Beiträge von Dr. R. Fischer und Dr. O. Watzl... und L. Porsch.

Poirault, G.

Hortus thuretianus antipolitanus. Catalogue des plantes cultivées au jardin de la Ville Thuret à Antibes. Cannes, Imprimerie Robaudy, 1933. (452.5F84)

Raber, O.

Principles of plant physiology. Rev. ed. N.Y., Macmillan, 1933 (463.3R11)

Scott, D. H.

Flowerless plants. Pt.II. of an introduction to strucùtral botany. 10th ed., re-ed. by F.T. Brooks. London, A. & C. Black, 1932. (463Sco31)

Zschacke, H.

Epigloeaceae, Verrucariaceae und Dermatocarpaceae. Leipzig, 1933 (Dr. L. Rabenhorst's Kryptogamen-flora von Deutschland, Oesterreich und der Schweiz. IX, bd., abt., I, 1) p.44-160 (461R11)

Non-current indexing.

Anz. Akad. Wiss. Wien. Math.-Naturw. Kl. (510V67A)

Kisser, J. & Zeisel, Fr.

Physiologische untersuchungen über die unterbrochene mutation. Anz. Akad. Wiss. Wien Math.-Naturw, Kl. 69: 203-205. 1932. no.19.

Kisser, J. & Schubert, J.

Untersuchungen über den einfluss der behandlung von samen mit reizchemikalien auf das zellwachstum der keimwurzeln. Anz. Akad. Wiss. Wien Math.-Naturw. Kl. 69: 200-202. 1932. no.19.

Experiments with Pisum and Triticum.

Non-current indexing. (cont.)

Anz. Akad. Wiss. Wien Math.-Naturw. Kl. (cont.)

Kisser, J. & Fürtauer, R.
Untersuchungen über den einfluss gewisser chemischer agentien auf die CO_2-abgabe keimender samen von Pisum sativum und Triticum vulgare unter optimalen keimungsbedingungen. Anz. Akad. Wiss. Wien. Math.-Naturw. Kl. 69: 202-203. 1932. no.19.

Kisser, J. & Beer, I.
Untersuchungen über die chemotropische empfindlichkeit dikotyler keimpflänzchen. Anz. Akad. Wiss. Wien. Math.-Naturw. Kl. 69: 207-208. 1932. no.19.

Kisser, J. & Schmid, H.
Untersuchungen über die permeabilität der samenhüllen von Pisum und Triticum für wasser sowie die saugkräfte der samen. Anz. Akad. Wiss. Wien. Math.-Naturw. Kl. 69: 197-200. 1932. no.19.

Kisser, J. & Piepe, R.
Weitere untersuchungen über die stofflichen grundlagen tropistischer krümmungen. Anz. Akad. Wiss. Wien. Math.-Naturw. Kl. 69: 205-207. 1932. no.19.

Bol. Soc. Broteriana (Coimbra) (451C66)

Baur, E.
O problema da evolucao visto á luz das novas investigacos. Bol. Soc. Broteriana II,6: 284-293. 1930.

Bensaúde, M.
Notes on wheat diseases in Portugal. Bol. Soc. Broteriana II, 6: 77-115. map. 1930.

Fernandes, A.
Etudes sur les chromosomes. Bol. Soc. Broteriana II, 6: 294-308. iii pl. 1930.

Goncalves da Cunha, A.
Études cytologiques sur la germination des graines. Bol. Soc. Broteriana II, 6: 6-76. iii pl. (2 col.). 1930.

Non-current indexing. (cont.)

Bol. Soc. Broteriana (cont.)

Goncalves da Cunha, A.

Sur l'origine mitochondriale de la diastase pendant la germination des graines. Bol. Soc. Broteriana II, 6: 116-123. 1930.

Mendonca, F. A.

Contribuicao para o conhecimento da flora de Africa (Guiné portuguesa). Bol. Soc. Broteriana II, 6: 313-317. 1930.

Mendonca, F. A.

O habit da Welwitschia mirabilis. Bol. Soc. Broteriana II, 6: 320-321. 3 pl. 1930.

Mendonca, F. A.

Uma nova especie do género Narcissus. Bol. Soc. Broteriana II, 6: 318-319. pl. 1930.

Narcissus calcicola.

Miranda Lopes, J. M.

A flora do concelho de Vimioso as muscineas da minha terra. Bol. Soc. Broteriana II, 6:279-283. 1930.

Waino, E. A.

Lichenes Mozambici. Bol. Soc. Broteriana II, 6: 144-179. 1930.

Bull. Soc. Nat. Moscou (511M85)

Alechin, V.V.

Russkie stepi i metody issledovaniia ikh rastitel'nogo pokrova (Les steppes russes et les méthodes d'investigation de leur tapis végétal). Bull. Soc. Nat. Moscou n.s., 40: 285-384. illus. 1931. no.3/4.

Russian with French summary.

Kokieva, E.

Morfologiia i istoriia razvitiia sotsvetii Parthenium argentatum G. (gvaiiuly) i Parthenium hysterophorus L. (Morphology and development of the inflorescences of Parthenium argentatum G. (guayule) and of Parthenium hysterophorus L.). Bull. Soc. Nat. Moscou n.s., 40: 207-236. ix pl. (p.375-383). 1931. no.3/4.

Russian with English summary.

Non-current indexing. (cont.)

Bull. Soc. Nat. Moscou (cont.)

Kozhevnikov, A.

O perezimovke i ritme razvitiia vesennikh rastenii lipovogo lesa (Le rythme du dévelopment et l'hiverange des plantes printanières dans une foret de tilleuls). Bull. Soc. Nat. Moscou Sect. Biol. n.s., 40: 79-108. illus. 1931. no.1/2.

Russian with French summary.

In Central Russia.

Lipschitz, S. I.

Rastitel'nost Chulakskogo plato i Dzhungarskikh vorot (Die vegetation des Tschulak-plateas und der Dschungar-tore (Russ-Dscgungaries. Bull. Soc. Nat. Moscou n.s. 40: 109-145. illus. 1931. no.1/2.

Russian with German summary.

Choroby Roślin (464.8C452)

Kochman, J.

Choroby róz. (Diseases of roses). Choroby Roślin. 1: 17-39. illus., 2 pl. 1931. no.3/4.

Polish, brief English summary. p.39.

Miklaszewski, S.

Choroby roślin a typy gleb. (Les maladies des plantes et les types des sols). Choroby Roślin 1: 5-12. illus., pl. 1931. no. 3/4.

Polish, French résumé: p.11-12.

Difesa Piante Torino (464.9D56)

Bongini, V.

Sur una malattia delle cactacee. Difesa Piante Torina 27: 34-39. illus. Je. 1932. no.3.

Helminthosporium cactaceae [n.sp.]

Lanza, M.

Nota sopra un deperimento dello spinacio. Difesa Piante Torino 27: 24-26. Ap.1932. no.2.

Peronospora spinaciae.

Servazzi, O.

Nota preliminare su una Phoma sp.n. riscontrata su Echeveria multicaulis purpurea. Difesa Piante Torino 27: 39-42. illus. Je.1932, no.3.

Non-current indexing. (cont.)

Difesa Piante Torino. (cont.)

Servazzi, O.
Nota sulla classificazione isto-pathologica del Quanjer, deller virosi nelle patate. Defesa Piante Torino 27: 20-24. Ap. 1932. no.2.

Servazzi, O.
Su una batteriosi del pioppo canadese. Difesa Piante Torina 27: 8-9. F.1932. no.1.
Micrococcus populi.

Voglino, P.
Intorno ad un deperimento del pioppo canadese. Difesa Pianthe Torino 27: 33-34. Je.1932. no.3.
?Tuberculina.

Voglino, P.
La mercescenza del fusto nella Araucaria imbricata. Difesa Piante Torino 27: 17-20. illus. Ap. 1932. no.2.
Cryptosporella araucariae [n.sp.] "Status spermogonicus (Fusicoccum)

Lauksaimn. Menesr. (Riga) (20L362)

Eglits, M.
Rudzu nerazas un sniega pelejums[Crop failure of winter rye in Latvia in relation to snow mold"]. Lauksaimn. Menesraksts. 1931: 433-453, 513-528. Jl, Ag. 1931.
Latvian, English abstr. in Biol. Abstr.v.7, no.469

BOTANY

CURRENT LITERATURE

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY.
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C.

LIBRARY
RECEIVED
★ JUN 27 1933 ★
U. S. Department of Agriculture

Vol. 15, no. 12. June 5-17, 1933.

Acta Univ. Lund (Lunds Univ. Arsskr.) (502L97)
Kylin, H.
Die florideenordnung Gigartinales. Acta Univ. Lund (Lunds Univ. Arsskr.) n.f., avd.2, v.28, no.8. 8 p. illus., 28 pl. 1932.

Advisory Leafl. Min. Agr. Gt. Brit. (10G79La)
Gt. Britain. Ministry of agriculture and fisheries.
The stem eelworm. Advisory Leafl. Min. Agr. Gt. Brit. 175. 4 p. illus. Ap.1933; 178. 4 p. illus. My. 1933.

Agr. Notes Dept. Agr. Trinidad & Tobago (8T732A)
Ashby, S. F.
Quarantine and the spread of sugar-cane diseases. Agr. Notes Dept. Agr. Trinidad & Tobago 4: 37-40. Ap. 1933. no.4.

Agron. Colon. (Paris) (26Ag812)
Carton, P.
Importance des facteurs écologiques durée du jour et intensite et la lumière en agronomie tropicale. (cont.) Agron. Colon. 22: 120-126. Ap.1933. no.184.

Ledreux, A.
La culture des caféiers à Madagascar. (cont.) Agron. Colon. 22: 127-131. Ap.1933. no.184.

Amer. Potato Journ. (75.8P842)
Blodgett, F. M., Mader, E. O., Burke, O. D. & McCormack, R. B.
New developments in potato spraying. Amer. Potato Journ. 10: 79-88. My.1933. no.5.

Clark, C. F.
Further studies of the origin of russeting in the potato. Amer. Potato Journ. 10: 88-91. My. 1933. no.5.

Angew. Bot. (Berlin) (450An4)

Fruth, J.
Untersuchungen über das wertverhältnis zwischen haupt- und seitenhalmen bei getreidepflanzen. Angew. Bot. 15:131-202. illus. Mr./Ap. 1933. no.2.

Köhler, E.
Die rolle der viruskrankheiten beim kartoffelabbau. Angew. Bot. 15: 122-131. Mr./Ap. 1933. no.2.

Schilberszky, K.
Ueber die ursachen der apoplexie bei den steinobstbäumen. II. Angew. Bot. 15: 105-122. Mr./Ap. 1933. no.2.

Stapp, C.
Ueber die experimentelle erzeugung von wildfeuer bei tabak. Angew. Bot. 15: 225-237. illus. Mr./Ap. 1933. no.2.

Wakar, B. A.
Cytologische untersuchungen über F_1 der rassen- und artbastarde des weizens. Angew. Bot. 15: 203-224. illus. Mr./Ap. 1933. no.2.

Ann. Rep. Maine Pomol. Soc. (81M28)

Drain, B. D.
Some observations on bud mutation strains of fruit. Ann. Rep. Maine Pomol. Soc. 1931: 66-70. [1932?]

Arch. Exp. Path. u. Pharm. (Leipzig) (448.8Ar2)

Sun, I.
Ueber die echte ginsengwurzel (Panax ginseng, Song-Sam). Arch. Exp. Path. u. Pharm. 170: 443-457. illus. My.16, 1933. no.4/5.

Arch. Pflanzenb. (Wiss. Arch. Landw. Abt.A) (Berlin) (18W76)

Rademacher, B. & Schmidt, O.
Die bisherigen erfahrungen in der bekämpfung des rübennematoden (Heterodera schachtii Schm.) auf dem wege der reizbeeinflussung. Arch. Pflanzenb. (Wiss. Arch. Landw. Abt.A) 10:237-296. illus. My.15, 1933. no.2.

Steinmetz, W.
Nachwirkung der jugendernährung auf die entwicklung der kohlrübe. Arch. Pflanzenb. (Wiss. Arch. Landw. Abt. A) 10: 129-171. illus. My.15, 1933. no.2.

Atti R. Accad. Naz. Lincei VI, Rend. Cl. Sci. Fis., Mat. e. Nat. (Rome) (507R66)

Castiglioni, A.

Chinolina e lignina. Atti R. Accad. Naz. Lincei VI, Rend. Cl. Sci. Fis., Mat, e Nat. 17: 469-473. Mr.19, 1933. no.6.

Bergcultures (Batavia, Java) (22.5B45)

Jong, J.K. de.

Bijdragen tot de anatomie van de theeplant. My.6, 1933. no.18.

Biochem. Journ. (London) (382B52)

Birkinshaw, J.H. & Raistrick, H.

Studies in the biochemistry of micro-organisms. XXVII. The production of luteic acid from various sources of carbon by Penicillium luteum Zukal. Biochem. Journ. 27: 370-375. 1933. no.2.

Charles, J.H.V., Raistrick, H., Robinson, R. & Todd, A. R.

Studies in the biochemistry of micro-organisms. XXVIII. Helminthosporin and hydroxyisohelminthosporin, metabolic products of the plant pathogen Helminthosporium gramineum Rabenhorst. Biochem. Journ. 27: 499-511. illus. 1933. no.2.

Biol. Gen. (Vienna) (442.8B525)

Malhotra, R. C.

The effect of elevation on the synthesis and some properties of oils in Cedrus deodara. Biol. Gen. 9(1): 249-256. pl. (map.) 1933. no.2.

Malhotra, R. C.

The effect of mosaic on the reserve materials in Solanum tuberosum. Biol. Gen. 9(1): 257-262. 1933. no.2.

Werner, O. & Steiner, H.

Fortlaufende körpergewichtsbestimmungen an einer rostkranken und einer gesunden weizenpflanze. Biol. Gen. 9(1): 337-354. illus. 1933. no.2.

Werner, O.

Wachstum und wasserbilanz der pflanze im spiegel ihrer gewichtsänderungen. Biol. Gen. 9(1): 199-230. iv pl. 1933. no.2.

Experiments with maize.

Biometrika (442.8B522)

Baten, W. D.

A statistical study of the Daucus carota L. Biometrika 25: 186-197. pl. My. 1933. no.1/2.

Bot. Mag. Tokyo (450B651)

Emoto, Y.

Die mirkoorganismen der thermen. Eine historische ubersicht über die erforschung der thermalmikroorganismen. Bot. Mag. Tokyo 47: 268-295. Ap. 1933. no.556.

Emoto, Y.

Myxomyceten der Südmandschurei. 2. Bot. Mag. Tokyo 47: 200-202. Mr.1933. no.555.

Honda, M.

Nuntia ad floram Japoniae. XX. Bot. Mag. Tokyo 47: 296-299. Ap.1933. no.556.

Nakai, T.

Notes on Japanese ferns. IX. Bot. Mag. Tokyo 47: 151-186. illus. Mr.1933. no.555.

IX. (1) A new classification of Japanese Aspidium, with special view to the spores and connective cells.

Nakai, T.

Notulae ad plantas Japoniae & Koreae. XLIII. Bot. Mag. Tokyo 47: 235-267. Ap. 1933. no.556.

Okamura, K. & Oshima, K.

Life-history of Coccophora langsdofii (Turn.) Grev. Bot. Mag. Tokyo 47: 187-194. illus. Mr. 1933. no.555.

Okunuki, K.

Ueber den gaswechsel des pollens von Thea sinensis, L. Bot. Mag. Tokyo 47: 300-312. Ap. 1933. no.556.

Japanese with German summary: p.312.

Satô, M.

A bibliographical monograph on Japanese lichens. I-II. Bot. Mag. Tokyo 47: 223-226, 322-326. Mr., Ap. 1933. no.555,556.

Japanese.

Bot. Mag. Tokyo (cont.)

Watanabe, A.
Ueber die bedeutung der nährhefen für die entwicklung von myxomyceten-plasmodien. Bot. Mag. Tokyo 47: 195-199. Mr. 1933. no.555.

Yasui, K.
Genetical studies in Zea mays L. (cont.) Bot. Mag. Tokyo 47: 203-209. Mr.1933. no.555. Japanese.

Brooklyn Bot. Gard. Leafl. (451B79L)

Thomen, A. A.
Hay fever. A study in applied botany. Brooklyn Bot. Gard. Leafl. v.21, no.7/8. 8 p. My.17, 1933.

Broteria Cienc. Nat. (410B79C)

Rick, J.
Monografia das valsíneas do Rio Grande do Sul. Broteria Cienc. Nat. 2: 83-99. My.1, 1933. no.2.

Bull. Inst. Agron. Stat. Rech. Gembloux (105.1G285)

Marchal, E.
Observations et recherches effectuées à la Station de phytopathologie de l'Etat, pendant l'année 1932. Bull. Inst. Agron. Stat. Rech. Gembloux 2; 147-158. My.1933. no.2.

Bull. Inst. Roy. Colon. Belge (Bruxelles) (504B836)

Adriaens, L.
Contribution à l'étude chimique des plantes à huile chaulmoogrique du Congo belge. III. L'Hydnocarpus anthelmintica Pierre. Bull. Inst. Roy. Colon. Belge 4: 220-225. 1933. no.1.

Denis, P.
Contribution à l'étude chimique des Pentaclethra. 2. Le Pentaclethra estveldeana. Bull. Inst. Roy. Colon. Belge 4; 195-205. pl. 1933. no.1.

Ghesquière, J.
Contribution à l'étude des légumineuses, principalement du Congo Belge. II. Les Cassia africains de la section Chamaefistula DC. Bull. Inst. Roy. Colon. Belge 4: 226-236. 1933. no.1.

Wildeman, E. de. & Staner, P.
Le tshipanda, végetal toxique pour de bétail (Spondianthus sp.) Bull. Inst. Roy. Colon. Belge 4: 137-148. 1933. no.1.

Bull. Mens. Soc. Nat. Hort. France. (Paris) (86So13)
Bois, D.
Jacques de Vilmorin. Bull. Mens. Soc. Nat. Hort. France 6: 183-187. port. Ap.1933.

Bull. Min. Agr. Gt. Brit. (10G794B)
Great Britain Ministry of agriculture and fisheries.
Narcissus culture. Bull. Min. Agr. Gt. Brit. 44. 34 p. illus., 6 pl. on 3. 1933.

Bull. Misc. Inform. Kew. (London) (89K51B)
Central African canoes. Bull. Misc. Inform. Kew 1933: 202-206. illus., pl. xii-xiii. no.4.
From tree called "mofu" (Khaya nyasica). Account from J. E. Hughes' Eighteen years on Lake Bangweolo.

Decades kewenses. Plantarum novarum in herbario Horti regii conservatarum. Decas CXXIX. Bull. Misc. Inform. Kew. 1933: 184-189. no.4.

Hoyle, A. C. & Dunkley, H.
New trees and shrubs from tropical Africa. II. Bull. Misc. Inform. Kew. 1933: 170-174.
Triumfetta palmatiloba, Afzelia caudata, Macrolobium vignei, Calpocalyx cauliflora, Albizzia flavovirens, Fagara melanorhachis, n.spp.

Macfarlane, J.M. & Steckbeck, D. W.
Sarracenia purpurea var. stolonifera. A noteworthy morphological and ecological type. Bull. Misc. Inform. Kew. 1933: 161-169. pl. x-xi. no.4.

Ridley, H. N.
Additions to the flora of Borneo and other Malayan Islands. IV. Bull. Misc. Inform. Kew. 1933: 190-202. no.4.

Sprague, T. A. & Green, M. L.
Northea hornei or N. seychellana. Bull. Misc. Inform. Kew. 1933: 206-207. no.4.
N. seychellana.

Turrill, W. B.
A study of variations in Glaucium flavum. Bull. Misc. Inform. Kew. 1933: 174-184. no.4.

Bull. Mus. Hist. Nat. Paris (410.9P213)
Humbert, H.
Kalanche (crassulacées) nouveaux ou peu connus de Madagascar. Bull. Mus. Hist. Nat. Paris II, 5: 163-170. F.1933. no.2.
K. arborescens, K. ambolensis n.spp.

Bull. Pop. Inform. Morton Arb. (Lisle, Ill.) (99.8M84)
Kammerer, E.L.
The oriental quinces. Bull. Pop. Inform. Morton Arb. 8: 5-8. My.26, 1933. no.2.

Bull. Soc. Chim. Biol. (Paris) (383So1)
Bridel, M. & Kramer, A.
L'asebotoside et son identité avec le phlorizoside. Bull. Soc. Chim. Biol. 15: 531-551. Ap.1933. no.4.
In Andromeda japonica.

Hsieh, Y.
Contribution à l'étude chimique du Buddleïa. I. Étude biochemique des différents organes du Buddleïa. II. Étude du buddléoflavonoloside. Bull. Soc. Chim. Biol. 15: 482-497. Ap. 1933. no.4.

Bull. Soc. Hist. Nat. Afr. Nord. (Alger) (410.9So125)
Giroux, M. Mlle.
Note sur la position systématique du Chrysanthemum cineraiifolium (Trev.) Vis., suivie de quelques remarques sur les caractères carpologiques des tanacetum. Bull. Soc. Hist. Nat. Afr. Nord 24: 54-62. pl. iii-iv. Mr.1933. no.3.
Tanacetum cinerariifolium.

Bull. Torr. Club (451T63B)
Achey, D. M.
A revision of the section Gymnocaulis of the genus Orobanche. Bull. Torr. Club 60: 441-451. illus. Je.1933. no.6.

Gleason, H. A. & Smith, A. C.
Plantae krukovianae. (concl.). Bull. Torr. Club 60: 379-396. pl. 21-22. Je.1933. no.6.

Spencer, E. L. & Shive, J. W.
The growth of Rhododendron ponticum in sand cultures. Bull. Torr. Club 60: 423-439. illus. Je.1933. no.6.

Stout, A. B. & Chandler, C.
Pollen-tube behavior in Hemerocallis with special reference to incompatibilities. Bull. Torr. Club 60: 397-416. pl.23. Je.1933. no.6.

Bull. Torr. Club (cont.)

Wodehouse, R. P.

Preparation of pollen for microscopic examination. Bull. Torr. Club 60: 417-421. Je.1933. no.6.

Cactus & Succ. Journ. (Los Angeles) (451C11)

Baxter, E. M.

Notes on Britton and Rose. Cactus & Succ. Journ. 4: 377-379. illus. My.1933. no.11.

Opuntia congesta n.sp.

Bravo, H.

A contribution to the knowledge of the cacti of Mexico. II. Cactus & Succ. Journ. 4: 380-381. illus. My.1933. no.11.

Gates, H. E.

New Neomammillarias from Lower California. Cactus & Succ. Journ. 4: 371-372. illus. My. 1933. no.11.

N. blossfeldiana (Mammillaria); N. capensis n.sp.

Hertrich, W.

Cereus huntingtonianus Weingart. Cactus & Succ. Journ. 4: 374-375. illus. My.1933. no.11.

Edited by E. M. Baxter from material furnished by William Hertrich and James West.

Smith, A.

What grows where. Cacti listed in accordance with their geographical origin. Compiled and copyrighted for Mrs. John D. Wright, Santa Barbara, Calif., 1933. (cont.) Cactus & Succ. Journ. 4: 382-383. My.1933. no.11.

Canad. Journ. Res. (Ottawa) (330.9C16C)

Broadfoot, W. C.

Studies of foot and root rot of wheat. I. Effect of age of the wheat plant upon the development of food and root rot. Canad. Journ. Res. 8: 483-491. My. 1933. no.5.

McLarty, H. R.

Perennial canker of apple trees. Canad. Journ. Res. 8: 492-507. illus., pl. i-ii. My.1933. no.5.

Compt. Rend. Acad. Agr. France (Paris) (14P215Bc)
Costantin, J.
Nouvelle variété montagnarde de pomme de terre issue de "la violette", obtenue par M. Bouget dans les Pyrénées en 1922. Compt. Rend. Acad. Agr. France 19: 592-596. My.17, 1933. no.17.

Compt. Rend. Acad. Sci. Paris (505P21)
Maire, R. & Malençon, G.
Le belaat, nouvelle maladie du dattier dans le Sahara algerien. Compt. Rend. Acad. Sci. Paris 196: 1567-1569. My.22, 1933. no.21.
"Il s'agit donc d'une maladie analogue à la pourriture du coeur des palmiers de l'Inde, due au Phytophthora palmivora".

Quetel, R.
Le mécanisme du forçage des végétaux par les vapeurs d'éther comporte-t-il und déshydratation des tissus? Compt. Rend. Acad. Sci. Paris 196: 1629-1631. My.22, 1933. no.21.

Varitchak, B.
L'évolution nucléaire chez Pericystis alvei Betts. Compt. Rend. Acad. Sci. Paris 196: 1628-1629. My.22, 1933. no.21.

Compt. Rend. Soc. Biol. Paris (442.9P21)
Conard, A.
Sur l'association temporaire de la caryotine et de la substance nucléolaire au cours des phénomènes de division chez les Degagnya et les Spirogyra. Compt. Rend. Soc. Biol. Paris 113: 93-96. Ap. 1933. no.17.

Ledoux, P. & Dewönck, F.
Recherches histosystématologiques sur Coffea congensis Froehner. Compt. Rend. Soc. Biol. Paris 113: 91-93. Ap.1933. no.17.

Contr. Boyce Thomps. Inst. Plant Res. (451B69)
Brierley, P.
Studies on mosaic and related diseases of dahlia. Contr. Boyce Thomps. Inst. Plant Res. 5: 235-288. illus. Ap./Je. 1933. no.2.

Contr. Boyce Thomps. Inst. Plant Res. (cont.)

Denny, F. E.

Bases for calculations in measuring changes in leaves during the night. Contr. Boyce Thomps. Inst. Plant Res. 5: 181-194. Ap./Je. 1933. no.2.

Farr, W. K.

Cotton fibers. III. Cell divisions in the epidermal layer of the ovule subsequent to fertilization. Contr. Boyce Thomp. Inst. Plant Res. 5: 167-172. illus. Ap./Je. 1933. no.2.

McCallan, S.E.A. & Wilcoxon, F.

The form of the toxicity surface for copper sulphate and for sulphur, in relation to conidia of Sclerotinia americana. Contr. Boyce Thomp. Inst. Plant Res. 5: 173-180. illus. Ap./Je. 1933. no.2.

Miller, L. P.

Effect of various chemicals on the sugar content, respiratory rate, and dormancy of potato tubers. Contr. Boyce Thomp. Inst. Plant Res. 5: 213-234. Ap./Je. 1933. no.2.

Zimmerman, P. W. Crocker, W. & Hitchcock, A. E.

The effect of carbon monoxide on plants. Contr. Boyce Thomp. Inst. Plant Res. 5: 195-211. illus. Ap./Je. 1933. no.2.

Coton. & Cult. Coton. (Paris) (72.8C821)

Szymanek, J. & Roehrich, O.

Contribution à l'étude structurale de la fibre de coton. Coton & Cult. Coton. 7: 133-162. fold.pl. D.1932. no.3.

Desert (Pasadena) (450D45)

Rooksby, E.

A royal agave. Desert (Pasadena) 5: 28-29. illus. Je.1933. no.2.

Agave ferdinandi-regis.

Rowntree, L.

Tiny annuals of the California desert. Desert (Pasadena) 5: 24-25. illus. Je.1933. no.2.

Deut. Landw. Presse (Berlin) (18D482)
Pape, H. & Rademacher, B.
Findet der übergang des meltaues von wintergerste auf sommergerste allgemein statt? Deut. Landw. Presse 60: 281. Je.3, 1933. no.22.

Farming So. Africa (Pretoria) (24So842)
Gill, G. A.
Flora of the Middelburg (Cape) district. Farming So. Africa 8:189-190, 194. My.1933. no.86.

Henning, P.D.
The chief weeds of grain lands. II. Field sorrel (sheep sorrel) Rumex acetosella. Farming So. Africa 8:175, 180. My.1933. no.86.

Plank, J.E. van der.
Sooty blotch on citrus. Farming So. Africa 8: 195, 197. illus. My.1933. no.86.

Plessis, S.J. du
Summer-spray injury to fruit trees. I. Types of injury caused by Bordeaux mixture. Farming So. Africa 8: 181-183. illus. My.1933. no.86.

Flora (Jena) (450F66)
Bünning, E.
Weitere untersuchungen über die erregungsvorgänge bei seismonastischen bewegungen. Flora 127(n.s.27): 119-139. illus. 1933. no.2.

Schulle, H.
Zur entwicklungsgeschichte von Thesium montanum Ehrh. Flora 127 (n.s.27): 140-184. illus. 1933. no.2.

Schwartz-Kraepelin, H.
Experimentell-morphologische untersuchungen über die wachstumspotenzen bei rhizom- und zwiebelpflanzen. Flora 127 (n.s.27): 93-118. illus. 1933. no.2.

Flor. Rev. (Chicago) (80W41)
Earlier flowers with electric light. Light tests with plants. Flor. Rev. 72(1853): 18. Je.1, 1933.

Talk by Prof. Laurenz Greene, Purdue Univ. Agr. Exp. Stat., La Fayetee, Ind., at meeting of Chicago trade groups, West Chicago, Ill., My.18.

Forstarchiv (Hannover) (99.8F7723)
Liese, J.
Brunchorstia destruens Eriks., Erreger des triebsterbens der kiefer. Forstarchiv. 9: 170-171. illus. My.15, 1933. no.10.

Fortschr. Landw. (Vienna) (19F77)
Nehring, K.
Ueber die neueren ergebnisse der chemischen forschung auf dem gebiet der vitamine und hormone. Fortschr. Landw. 8: 243-248. illus. Je.1, 1933. no.11.

Gard. Chron. (London) (80G162)
The behavior of garden plants. VIII. Corylus maxima (Avellana) var. atropurpurea. Gard. Chron. III, 93: 365. My.27, 1933. no.2422.

Ruys, B.
Ranunculus lyallii. Gard. Chron. III, 93: 363. My.27, 1933. no.2422.

Stafford, D.
Plant hunting in the Andes of southern Peru. Gard. Chron. III, 93: 373. My.27, 1933. no.2422.

Ward, F. K.
Mr. F. Kingdon Ward's eleventh expedition in Asia XXIX. Gard. Chron. III, 93: 362-363. illus. My.27, 1933. no.2422.

Gartenschönheit. (Berlin) (80G199)
Görbing, J.
Die wurzelentwicklung von phlox und rittersporn bei verschiedenen reaktionsgraden des bodens. Gartenschönheit 14: 56-58. illus. Mr.1933. no.3.

Gartenw. (Berlin) (80G196)
Zeininger, H.
Platanen-blattfallkrankheit. Gartenw. 37: 246. My.19, 1933. no.20.

Genetics (442.8G28)
Blackburn, K. B.
On the relation between geographic races and polyploidy in Silene ciliata Pourr. Genetics 15: 49-66. illus., pl.i-ii. 1933. no.1/2.

Genetics, (cont.)

Haan, H. de.

The symbolizing of hereditary factors. Genetics 15: 1-22. 1933. no.1/2.

Harland, S.C. & Atteck, O.S.

The inheritance of self-sterility in Petunia violacea. Genetics 15: 89-102. 1933. no.1/2.

Honing, J. A.

Canna crosses. V. Three balanced lethals and an independent conditional fourth one. Genetics. 15: 23-47. 1933. no.1/2.

Kostoff, D.

A contrinution to the sterility and irregularities in the meiotic processes caused by virus diseases. Genetics 15: 103-114. illus. 1933. no.1/2.

Experiments with tobacco.

Handl. Landtbruksveckan Sweden. (Stockholm) (11Sw34)

Sjögren,E.

Kylhusförvaring av frukt. Behandling av frukten före dess inläggning i kylhus. Handl. Landtbruksveckan Sweden 1932: 119-170. illus.

Industr. & Engin. Chem. (Easton, Pa.) (381J825)

Myers, C.N., Throne, B., Gustafson, F. & Kingsbury, J.

Significance and danger of spray residue. Industr. & Engin. Chem. 25: 624-628. Je.1933. no.6.

White, W. B.

Poisonous spray residue on vegetables. Industr. & Engin. Chem. 25: 621-623. Je.1933. no.6.

Indian Journ. Med. Res. (448.8In22)

Rafay, S. A.

A survey of the flora and fauna of the water-supplies of the Madras presidency. Indian Journ. Med. Res. 20: 1083-1100. Ap.1933. no.4.

Informe Estac. Exp. Agr. La Molina (Lima) (102.5L622In)

Rada, G.G.

La antracnosis del mango. Informe Estac. Exp. Agr. La Molina 19: 3-5. Ap.1933.

Intern. Bull. Plant Prot. (464.8In8)

Stevens, N.E.

United States of America: Observations on the distribution of the strawberry dwarf nematode in 1932. Intern. Bull. Plant Prot. 7: 102-103. My.1933. no.5.

Uppal, B. N.

India: Diseases in the Bombay Presidency. Intern. Bull. Plant Prot. 7: 103-104. My.1933. no.5.

Iowa State Coll. Journ. Sci. (Ames, Ia.) (470Io9)

Cratty, R. I.

The Iowa flora. Iowa State Coll. Journ. Sci. 7: 177-252. Ap.1933. no.3.

An annotated list of the ferns, fern allies and the native and introduced flowering plants of the state represented in the Iowa state college herbarium.

Creighton, M. & Naylor, N.M.

A study of the starch-digesting and the sugar-forming enzymes of wheat. Iowa State Coll. Journ. Sci. 7:253-260. Ap.1933.no.3.

Iris Year Bk. (84Ir4)

Barnard, T. T.

Some South African veld-irises. Iris Year Bk. 1932: 49-55. 1932.

Long, B. R.

Some crosses with plicata irises. Iris Year Bk. 1932: 55-60. 1932.

Peckham, E. S.

Native American irises. Iris Year Bk. 1932: 10-14. 1932.

Irish Nat. Journ. (410Ir42)

Knowles, M. C.

Moor balls. Irish Nat. Journ. 4: 170-173. pl. ix. My.1933. no.9.

Compact balls of green algae, species of Cladophoraceae, known as aegagropila.

Journ. Agr. Res. (Washington, D. C.) (1Ag84J)

Hale, G. A.

The effect of latitude, length of growing season, and place of origin of seed on the yield of cotton varieties. Journ. Agr. Res. 46: 731-737. Ap.15, 1933. (Rec'd Je.5) no.8.

Journ. Agr. Res. (cont.)

Lachmund, H. G.

Method of determining age of blister rust infections on western white pine. Journ. Agr. Res. 46: 675-693. Ap.15, 1933. (Rec'd Je.5) no.8.

Nelson, R.

Some storage and transportation diseases of citrus fruits apparently due to suboxidation. Journ. Agr. Res. 46: 695-713. 6 pl. on 3.

Journ. Biol. Chem. (Baltimore) (381J824)

Smith, L. L. W. & Morgan, A.F.

The effect of light upon the vitamin A activity and the carotenoid content of fruits. Journ. Biol. Chem. 101: 43-54. Je.1933. no.1.

Journ. Bombay Nat. Hist. Soc. (513B63)

Blatter, E.

New plants from Waziristan. Journ. Bombay Nat. Hist. Soc. 36: 477-484. Ap.15, 1933. no.2.

Blatter, E.

Revision of the flora of the Bombay presidency XX. Journ. Bombay Nat. Hist. Soc. 36: 307-320. ii pl. Ap.15, 1933. no.2.

Blatter, E. & Millard, W. S.

Some beautiful Indian trees. XI. Journ. Bombay Nat. Hist. Soc. 36: 353-355. illus. 2 pl. (1 col.) Ap.15, 1933. no.2.

Journ. Dept. Agr. Kyushu Imp. Univ. (Fukuoka, Japan) (107.6K995)

Kosaka, H.

Die beziehungen zwischen den verschiedenen physiologischen erscheinungen der pflanzen und den in verschiedenen vegetationsorganen in erscheinung tretenden farbstoffen IV. Ueber die beziehungen zwischen dem dasein des anthocyanfarbstoffes und dem grad der assimilationstatigkeit bei einigen kulturpflanzen. Journ. Dept. Agr. Kyushu Imp. Univ. 3: 251-267. Ap.25,1933. no.9.

Journ. Ecol. (Cambridge, Engl.)

Brenchley, W.E. & Heintze, S.G.

Colonisation by Epilobium angustifolium. Journ. Ecol. 21: 101-102. F.1933. no.1.

Journ. Ecol. (cont.)

Brenchley, W. E. & Warington, K.
The weed seed population of arable soil. II. Influence of crop, soil and methods of cultivation upon the relative abundance of viable seeds. Journ. Ecol. 21: 103-127. F.1933. no.1.

Butcher, R. W.
Studies on the ecology of rivers. I. On the distribution of macrophytic vegetation in the rivers of Britain. Journ. Ecol. 21: 58-91. illus., pl.ix-xii. F.1933. no.1.

Carter, N.
A comparative study of the alga flora of two salt marshes. II. Journ. Ecol. 21:128-208. illus. F.1933. no.1.

Davy, J. B.
Note on the occurrence of Salix in temperate South America. Journ. Ecol. 21: 212. F.1933. no.1.
S. humboldtiana.

Greenway, P.J.
The vegetation of Mpwapwa, Tanganyika territory. Journ. Ecol. 21: 28-43. illus., map, pl. iii-vi. F. 1933. no.1.

Joshi, A. C.
A suggested explanation of the prevalence of vivipary on the sea-shore. Journ. Ecol. 21: 209-212. F.1933. no.1.
"In the mangrove forests of Malaya, it has now been shown that species of Avicennia and Sonneratia, and not the Rhizophoras, are the pioneers in the formation of new mangrove forests".

Petch, C. P.
The vegetation of St. Kilda. Journ. Ecol. 21: 92-100. map. F.1933. no.1.

Thoday, D.
The terminology of "xerophytism". Journ. Ecol. 21: 1-6. F.1933. no.1.

Weintroub, D.
A preliminary account of the aquatic and sub-aquatic vegetation and flora of the Witwatersrand. Journ. Ecol. 21: 44-57. maps, fold.tab., pl.vii-viii. F.1933. no.1.

Journ. Indian Inst. Sci. (Madras)
Ghouse Mohiuddin, M. & Tummin Katti, M. C.
Rhaponticin, and anthraquinone derivatives from Rheum emodi, Wall. (Indian, or Himalayan rhubarb). Journ. Indian Inst. Sci. v.16A, pt.1. 9 p. 1933.

Journ. Washington Acad. Sci. (500W276J)
Berry, E. W.
Fossil plants from Morrison, Colorado. Journ. Washington Acad. Sci. 23:308-312. illus. Je.15, 1933. no.6.

Endo, S.
The American white walnut or butternut, Juglans cinera L., from the upper Pliocene of Japan.. Journ. Washington Acad. Sci. 23: 305-308. illus. Je.15, 1933. no.6.

Kosmos (Stuttgart) (474K842)
Litzelmann, E.
Karst-pflanzen. Kosmos 30: 207-211. illus. Je. 1933. no.6.

Landbouw, Nederl.-Indië (Buitenzorg) (22.5L23)
Meulen, J.G.J. van der
Over het kunstmatig kruisen van rijst op Java. (Artificial hybridization of rice on Java). Landbouw, Nederl.-Indië 8: 585-607. illus. Mr. 1933. no.9.
English summary: p.605-607.

K. Landtbr. Akad.Handl. o- Tidskr. (Stockholm)
Odén, S. & Rasmusson, J.
Froädling med elektriskt hjäljus. (Samenzüchtung mit elektrischer hilfsbeleuchtung). K. Landtbr. Akad. Handl. o Tidskr. 71: 1094-1107. illus. 1932. no.8.
Brief German summary: p.1106.
Reprinted as Medd. Centralanst. Förksv. Jordbruksomr. no.424 Avd. Landtbrukskemi no.50.

Madras Agr. Journ. (22M262)
Belasubrahmanyan, R. & Ramaswami Mudaliar, V.
A physiological study of delayed germination in cotton. Madras Agr. Journ. 21: 147-162. pl. i-ii. Ap. 1933. no.4.

Murari, T.
A study of the root systems of the common grasses at the livestock research station, Hosur. Madras Agr. Journ. 21: 163-164. Ap.1933. no.4.

Meded. Deli Proefst. Medan, Sumatra. (109.5D37)
Jochems, S. C. J.
Plantkundige afdeeling. In Verslag van het Deli proefstation over het jaar 1932. Meded. Deli Proefst. Medan, Sumatra II, 84: 17-30. 1933.

Missouri Bot. Gard. Bull. (St. Louis) (89M69B)
Beilmann, A. P.
New or noteworthy plants for St. Louis III. Xanthoceras sorbifolia (Yellow horn). Missouri Bot. Gard. Bull. 21: 83-84. pl.18-19. My.1933. no.5.

Ulrich, A. G.
Bulbous plants for St. Louis, II. Missouri Bot. Gard. Bull. 21: 84-90. My.1933. no.5.

Mitt. Deut. Landw. Ges. (Berlin) (18D48M)
Bremer, H.
Die brennfleckenkrankheit der erbse. Mitt. Deut. Landw. Ges. 48: 489-490. illus. Je.3, 1933. no.22.

Rudloff, C. F.
Die edelobstzüchtung. Mitt. Deut. Landw. Ges. 48: 471-473. My.27, 1933. no.21.

Nat. Canad. (Quebec) (410N216)
Pomerleau, R.
Les groseilliers du Québec. Nat. Canad. 60: 141-153. illus. My.1933. no.5.

Rousseau, J.
Essai de bibliographie botanique canadienne. (cont.) Nat. Canad. 60: 154-165. My.1933. no.5.

Obst- u. Gemüseb. (Berlin) (80P7750)
Goetz, O. & Winkelmann, A.
Der schwefelvernebelungsapparat sulfurator. Obst- u. Gemüseb. 79: 72-73. illus. My.15, 1933. no.5.

Triquart, J.
Bekämpfung der Monilia an sauerkirschen. Obst- u. Gemüseb. 79: 73-74. illus. My.15, 1933. no.5.

Parks & Recreation (Rockford, Ill.) (98.8P23)
Teuscher, H.
The botanical garden of the future. III. Parks & Recreation 16: 412-416. My.1933. no.9.

Phytopath. (464.8P56)

Allen, R. F.
The spermatia of flax rust, Melampsora lini. Phytopath. 23: 487. My.1933. no.5.

Brentzel, W. E.
Physiologic specialization of Tilletia tritici on emmer. Phytopath. 23: 483-485. illus. My. 1933. no.5.

Bressman, E.N. & Nichols, R. A.
Germination of the oospores of Pseudoperonospora humuli. Phytopath. 23: 485-487. My.1933. no.5.

Hoggan, I. A.
Some viruses affecting spinach, and certain aspects of insect transmission. Phytopath. 23: 446-474. illus. My.1933. no.5.

Jenkins, A.E. & Fawcett, H. S.
Records of citrus scab mainly from herbarium specimens of the genus citrus in England and the United States. Phytopath. 23: 475-482. illus. My.1933. no.5.

Lauritzen, J.I., Harter, L.L. & Whitney, W.A.
Environmental factors in relation to snap-bean diseases occurring in shipment. Phytopath. 23: 411-445. My.1933. no.5.

Wright, E.
A cork-borer method for inoculating trees. Phytopath. 23: 487-488. My.1933. no.5.

Protoplasma (Leipzig) (442.8P94)

Gutstein, M.
Bestimmung der H--konzentration in der lebenden hefe- und bakterienzelle. Protoplasma 17: 454-470. D.1932. no.3.

Joyet-Lavergne, Ph.
Une étude complémentaire sur la physico-chimie de la sexualité. Protoplasma 18: 390-410. Ap.1933. no.3.

Kerr, T.
The injection of certain salts into the protoplasm and vacuoles of the root hairs if Limnobium spongia. Protoplasma 18: 420-440. illus. Ap.1933. no.3.

Protoplasma (cont.)

Munthiu, O. B.
Saponinwirkung auf pflanzenzellen. Protoplasma 18: 441-472. Ap.1933. no.3.

Nord, F. F.
Bestimmung der H- konzentration in der lebenden hefe- und bakterienzelle. Protoplasma 18: 474. Ap. 1933. no.3.
Bemerkungen zur gleichnamigen arbeit von M. Gutstein.

Tirold, M.
Untersuchungen über dasplasmolyseverhalten von Vaucheria. Protoplasma 18: 345-389. illus., pl. vii. Ap.1933. no.3.

Prakt. Blätt. Pflanzenb. u. Pflanzensch. (Freising) (464.8P88)

Fürst, F.
Hederichbekämpfungsversuche mit streu- und spritzmitteln. Prakt. Blätt. Pflanzenb. u. Pflanzensch. 33: 69-93. Je./Jl. 1933. no.3/4.

Zattler, F. & Weigand, K.
Ueber konzentration der kupferkalkbrühe, zeitpunkt und häufigkeit der bespritzungen bei der bekämpfung der peronosporakrankheit des hopfens. Prakt. Blätt. Pflanzeng. u. Pflanzensch. 33: 57-68. Je./Jl. 1933. no.3/4.

Proc. Imp. Acad. Tokyo. (513T576)

Homma, Y.
Homothallism in Sphaerotheca fuliginea (Schlecht.) Pollacci. Proc. Imp. Acad. Tokyo 9: 186-187. illus. Ap.1933. no.4.

Imai, S.
On two new species of Tuberaceae. Proc. Imp. Acad. Tokyo 9: 182-185. illus. Ap.1933. no.4.
Genea sphaeroides, Terfezia gigantea.

Quart. Rev. Biol. (Baltimore) 442.8Q2)

Bessey, E. A.
Sex problems in hemp. Quart. Rev. Biol. 8: 194-200. Je.1933. no.2.

Quart. Rev. Biol.(cont.)

Campbell, D. H.

The flora of the Hawaiian Islands. Quart. Rev. Biol. 8: 164-184. map. Je.1933. no.2.

Chester, K. S.

The problem of acquired physiological immunity in plants. Quart. Rev. Biol. 8:129-154. Je.1933. no.2.

Rev. Bot. Appl. (Paris) (26R323)

Chevalier, A.

Les Alhagi producteurs de manne et spécialement ceux du Sahara. Rev. Bot. Appl. 13: 275-281. Ap. 1933. no.140.

Kervegant, D.

Introduction à l'étude des variétés de bananiers à fruits comestibles de la Martinique. Rev. Bot. Appl. 13: 251-267. Ap.1933. no.140.

Trochain, Y.

Les Vaccinium comestibles. (cont.) Rev. Bot. Appl. 13: 268-275. illus. Ap.1933. no.140.

Roberty, G.

Notes au sujet de l'alfa et de quelques plantes affines.(cont.) Act. Compt. Rend. Assoc. Colon.-Sci. 9: 80-87. Ap.1933. (With Rev. Bot. Appl. v.13, no.140)

Rev.Industr. y Agr. Tucumán. (Buenos Aires) (9T79)

Fawcett, G. L.

Descripciones de variedades de caña. I. La variedad P.O.J. 36 y sus mutaciones. Rev. Industr. y Agr.Tucumán 22:206-212. illus. Jl./Ag.1932.

Rhodesia Agr. Journ. (Salisbury) (24R34)

Christian, H. B.

Notes on African aloes. VIII. Rhodesia Agr. Journ. 30: 385-387. 3 pl. My.1933. no.5.

Rhodora (Boston)(450R34)

Blake, S. F.

Wolffiella lingulata in Louisiana. Rhodora 35: 226. Je.1933. no.414.

Clover, E. U.

The habitat of Astrophytum asterias in Texas. Rhodora 35: 224-225. Je.1933. no.414.

Rhodora. (cont.)

Fassett, N. C.

Notes from the herbarium of the university of Wisconsin. IX. Rhodora 35: 199-203. Je. 1933. no.414.

Fernald, M. L.

Recent discoveries in the Newfoundland flora. (cont.) Rhodora 35: 203-223. pl. 246-247. Je. 1933. no.414.

Fernald, M. L.

Types of some American species of Elymus. Rhodora 35: 187-198. Je.1933. no.414.

E. wiegandii n.sp.

Kelso, L.

A note on Glyceria neogaea Steudel. Rhodora 35: 225-226. Je.1933. no.414.

Steudel's name has long priority over G. pallida fernaldii Hitchc. and G. fernaldii (Hitchc.) St.John.

Riv. Biol. (Milan) (442.8R52)

Leonardi, P.

Contributo allo studio dell'axione del manganese nella vita vegetale. II. Il valore agrario ed il valore industriale del grano trattato con biossido di manganese. Riv. Biol. 15: 131-145. Ja./Ap. 1933. no.1/2.

Schweiz. Zeitschr. Obst- u. Weinb. (Wädenswil) (80Sch9)

Osterwalder, A.

Die bekämpfung der schrotschusskrankheit an kirschbäumen mit schwefelkalkbrühe und kalkarsen nach versuchen im sommer 1932. Schweiz. Zeitschr. Obst- u. Weinb. 69: 123-126. Ap.15, 1933. no.8.

Schorfbekämpfungsversuche im sommer 1932. Schweiz. Zeitschr. Obst- u. Weinb. 69: 135-137. Ap.29, 1933. no.9.

Kalkarseniat oder bleiarseniat zur schwefelkalkbrühe?

Science (470Sci2)

Bruce, W. F.

A disintegrator for yeast cells. Science 77: 543-544. illus. Je.2, 1933. no.2005.

Rigg, G. B.

Notes on a sphagnum bog at Fort Bragg, California. Science 77: 535-536. Je.2,1933. no.2005.

Sci. Bull. Dept. Agr. So. Africa.

Du Toit, M. S. & Reyneke, J.

Studies in the keeping quality of fruit. I. Sci. Bull. Dept. Agr. So. Africa 118. 44 p. 1933.

Science News Letter (470Sci24)

New grain disease stumps Australian wheat breeders. Science News Letter 23: 376. Je.17, 1933. no.636.

New form of rust, reported by Dr. W.L. Waterhouse, of University of Sydney, at 5th Pacific Sci. Congr. at Vancouver.

Senckenbergiana (Frankfurt a.M.) (410.9Se5)

Kräusel, R. & Weyland, H.

Pflanzenreste aus dem Devon. IV-V. Senckenbergiana 14: 391-406. illus. D.29, 1932.no.6.

IV. Protolepidodendron Krejci. V. Zwei unterdevonische pflanzenrhizome.

Leopold, W.

Mellum. Die bedeutung der pflanzengesellschaften für das wachstum der insel. Senckenbergiana 14: 410-427. illus. D.29, 1932. no.6.

So. African Gard.(Johannesburg) (80So87)

Bolus, L.

Plant new or noteworthy. South African plants cultivated at the National botanic gardens, Kirstenbosch. (cont.). So. African Gard. 23: 111-112. illus. My.1933. no.5.

Freesia hyrlingii, F. middlemostii n.spp.

Succulenta (Leeuwarden) (450Su1)

Backeberg, C.

Brief van den cactusjäger. Succulenta 15: 110-115. illus. Je.1933. no.6.

Bommeljé, C.

Monstruositeiten. Succulenta 15: 101-103. illus. Je.1933. no.6.

Duursma, G. D.

Phyllocactus hookeri S.D. Succulenta 15: 115-117. illus. Je.1933. no.6.

Kaay, J. G. van der

Phyllocactus (Link.) Succulenta 15: 103-106. illus. Je. 1933. no.6.

Tijdschr. Plantenz. (464.8T44)
Buisman, C.
Verslag van de onderzoekingen over de iepenziekte, verricht in het phytopathologisch laboratorium Willie Commelin Scholten te Baarn, gedurende 1932. II. Tijdschr. Plantenz. 39: 101-113. pl. vii. My.1933. no.5.

Tropenpfl. (Berlin) (26T75)
Freise, F. W.
Die sapukajanuss. Tropenpfl. 36: 199-202. My. 1933. no.5.
Lecythis spp.

Trop. Agr. (26T751)
Murray, R. K. S.
Diseases of rubber in Ceylon, 1932. Trop. Agr. 80: 214-217. Ap.1933. no.4.

Murray, R.K.S.
Further yield records in connection with Oidium heveae. Trop. Agr. 80: 209-213. Ap. 1933. no.4.

Nock, J. J.
The banana passion fruit. Trop. Agr. 80: 208. pl. Ap.1933. no.4.
Tacsonia mixta.

Trop. Agriculture West Indies (Trinidad) (26T754)
Hardy, F.
Root distribution of sugar-cane in different soils in Trinidad. Trop. Agriculture West Indies 10: 165-172. Je.1933. no.6.
Embodying some results obtained by a soil-core method.

Hopkins, J. C. F.
Plant disease and environment in Southern Rhodesia. Trop. Agriculture West Indies 10: 172-177. Je.1933. no.6.

Wardlaw, C. W.
Panama disease. A review of the occurrence of Panama disease on the Cavendish or dwarf banana in the Canary Islands. Trop. Agriculture West Indies. 10: 151-154. Je.1933. no.6.

Wardlaw, C. W. & McGuire, L.P.
Tomato storage. Further observations on the storage of tropically grown tomatoes. Trop. Agriculture West Indies 10: 161-163. Je.1933. no.6.

U.S. Dept. Agr. Plant Dis. Rep. (1.9P69P)

Boyd, O.C. & Christie, J. R.

Further observations on the strawberry-dwarf nematode in Massachusetts. U.S. Dept. Agr. Plant Dis. Rep. 17: 61. Je.1, 1933. no.6.

Cottam, C.

Disappearance of eel grass along the Atlantic coast. U.S. Dept. Agr. Plant Dis. Rep. 17: 46-53. Je.1, 1933. no.6.

Cause undetermined.

U.S. Dept. of agriculture - Bur. of plant industry - Div. of mycology and plant disease survey.

Diseases of plants in the United States in 1932. Its Plant Dis. Rep. Supp. 85. 72 p. maps. Je.15, 1933.

Comp. by J.I. Wood, N.E. Stevens, & P.R. Miller.

U.S. Dept. Agr. Techn. Bull. (1Ag84Te)

Rand, F.V. & Cash, L.C.

Bacterial wilt of corn. U.S. Dept. Agr. Techn. Bull. 362. 30 p. 3 pl. My.1933.

U.S. Dept. Agr. Miscellaneous mimeographed publications.

Brierley, P.

Sweet pea diseases. Washington, D. C., Mr. 1933.

Clark, C.F., Stuart, W.& Stevenson, F. J.

The Chippewa potato: a new variety. Washington, D. C., [1933]

Clark, C.F., Stuart, W. & Stevenson, F.J.

The Katahdin potato: a new variety. Washington, D. C., Mr.1933.

McKee, R. & Schoth, H.A.

Sand dune control in the United States. Washington, D. C., Mr.1933.

Schoth, H. A.

Sand dune control in the Pacific Northwest. Washington, D. C., Mr. 1933.

Stevens, H.E. & Fulton, H.R.

Avocado fruit spots and their control. Washington, D. C., Mr.1933.

Věstník Českosl. Akad. Zeměd. (Prague) (19.5C332)

Neoral, K. & Blaha, J.

K otázce vlivu živného prostředí na variabilitu fysiologických vlastností Saccharomycet. (Contribution à l'étude de l'influence du milieu nutritif sur la variabilité des caractères physiologiques des Saccharomycetes). Věstník Českosl. Akad. Zeměd. 9: 311-314. 1933. no.5.

French résumé: p.314.

Polanský, B. & Vacl, V.

Několik předběžných zkoušek s umělým opylováním u lesních dřevin jehličnatých. (Einige vorläufige versuche mit künstlicher bestäubung von waldnadelholzarten). Věstník Českosl. Akad. Zeměd. 9: 283-285. illus. 1933. no.5.

German summary: p.285.

Zeitschr. Pflanzenernähr. Düng. u. Bodenk. A, Wiss. Teil (Leipzig) (384Z343A)

Herndlhofer, E.

Ueber die wurzelatmung junger kaffeepflanzen. Zeitschr. Pflanzenernähr. Düng. u. Bodenk. A, Wiss. Teil. 29: 290-298. 1933. no.4/6.

Exp. Stat. Publ.

Massachusetts agricultural experiment station

Dept. of botany. In its Ann. Rep. 1931/32 (Bull. 293): 15-21. Mr. 1933. (100M38H)

Dickinson, S.

The nature of saltation in Fusarium and Helminthosporium. Minnesota Agr. Exp. Stat. Techn. Bull.88. 42 p. illus. N.1932 (100M66)

Starr, G. H.

A study of diseases of canning crops (peas and corn) in Minnesota. Minnesota Agr. Exp. Stat. Techn. Bull. 89. 51 p. illus. N.1932 (100M66)

Tucker, C. M.

The distribution of the genus Phytophthora. Missouri Agr. Exp. Stat. Res. Bull. 184. 80 p. Mr.1933 (100M693)

Keim, F.D.

The identification of the more important prairie hay grasses of Nebraska by their vegetative characters. Nebraska Agr.Exp.Stat.Res.Bull. 65. 40 p. illus. D.1932 (Rec'd Mr.1933) (100N27)

Exp. Stat.Publ. (cont.)

Stevens, O.A.

Poisonous plants and plant products. North Dakota Agr. Exp. Stat. Bull. 265. 30 p. illus. Mr.1933(100N813)

Yeager, A.F. & Latzke, E.

Gooseberries. Varieties, breeding, culture and use. North Dakota Agr. Exp. Stat. Bull. 267. 19 p. illus. Mr.1933 (100N813)

State Publications.

Gregory, C. T.

Field diseases of sweet potatoes in Indiana. Purdue Univ. Dept. Agr. Ext. Leafl. 170. 6 p. illus. Ap.1933.

New Books.

Bresadola, G.

Funghi mangerecci e velenosi ... 3. ed. riveduta e aumentata a cura del Comitato onoranze Bresadoliane. Trento, Societǎ botanica italiana, 1932.(462B75)

Brüngger, H.

Ueber das betulin. Zürich,1932. (387.1B833)

Promotionsarbeit Techn. hochschule Zürich.

Eulenburg, B. E.

Keimversuche mit getreidearten und ihre beeinflussung durch die art des keimbettes. Königsberg i Pr., Aus dem Pflanzenbau-institut der Albertus-universität, 1932.(59Eu5)

Inaug.-diss.-Königsburg.

Fisher, R.

English names of our commonest wild flowers. Pt.1. Abroath, T. Buncle & Co., 1932. (452.14F53)

Luther, H.

Das problem des wasserhaushalts. (Ein vergleich der "anwelk" mit der "wägungs" methode). Gumbinnen, 1932. (463.2L97)

Inaug.-diss. - Königsberg.

Ostendorf, F. W.

De groei van jong Hevea-oculaties. (The growth of young Hevea buddings). Wageningen, H. Veenman & Zonen, 1933. (780s7)

English summary: p.87-92.

Redgrove, H. S.

Spices and condiments. London, Sir I. Pitman & sons, 1933 (68.6R24)

New Books. (cont.)

Tiddens, B. A.
Wortelrot van Primula obconica veroorzaakt door Thielaviopsis basicola (Berk. et Br.) Ferraris. Baarn, N.V. Hollandia-drukkerij, 1933. (464.08T43)
Proefschr. - Utrecht.
English summary: p.73-75.

Translations filed in Library of Bur. of Plant Industry.

Peyronnet, M.
Étude sur le développement du chanvre (Musa textilis) cultivé à l'aide de produits chimiques. (Experiments on the development of abacá (Musa textilis) grown on chemical solutions). Agr. Prat. Pays Chauds. n.s.,2: 309-316. Ap.1931. no.10.

Rolet, A.
L'Agave sisal et sa culture. (Sisal agave and its culture). Agr. Prat. Pays Chauds n.s.,3: 446-461. Je.1932. no.24.

Tirén, L.
Om barrytans storlek hos tallbestånd (The needle area of pine stands). Medd. Stat. Skogsförsöksanst. Sweden 23: 295-336. 1927.

Correction.

v.15, no.10, p.43.
Entry under Van Eseltine should read Techn. Bull. 208.

Non-current indexing.

Bull. Texas Techn. Coll. (500T312)

Studhalter, R. A.
Mrs. Young's "Familiar lessons in botany, with flora of Texas", a forgotten text of sixty years ago. Bull. Texas Techn. Coll. 7(6): 28-52. port. D.1931.

Gosud. Inst. Tabak. (State Inst. Tobacco Invest. Bull.) Krasnodar

Piatnitski, M.
K methodike, opredelenii͡a i͡ablochnoĭ, limonnoĭ i shchavelevoi kislot v tabake (On methods for determining malic, citric and oxalic acid in tobacco). Gosud. Inst. Tabak. (State Inst. Tobacco Invest. Bull.) Krasnodar 81: 23-44. 1931.
Russian with brief English summary.

Non-current indexing. (cont.)

Gosud. Inst. Tabak. (State Inst.Tobacco Invest.Bull. (cont.)
Kashirin, S.
K voprosu o sodrezhanii pektinovykh veshchestv v tabake (Content of pectin substances in tobacco) Gosud. Inst. Tabak.(State Inst. Tobacco Invest. Bull.) Krasnodar 81: 55-59. 1931.
Russian with brief English summary.

Schmuk, A. A.
O soderzhanii Fitina v tabachnykh semenakh (On the phytine content of tobacco seed). Gosud. Inst. Tabak. (State Inst. Tobacco Invest. Bull.) Krasnodar 81: 19-22. 1931.
Russian with brief English summary.

Hokkaido Agr. Exp. Stat. Kotoni, Sapporo. Japan. Bull. (J107.6H68)
Tanaka, T. & Iwadare, S.
Edible plants in Hokkaido. Hokkaido Agr. Exp. Stat. Kotoni, Sapporo, Japan. Bull. 52. 120 p. illus. N.1931.
Japanese.

Landbruksdir. Beretn. [Norway] (11C46)
Jørstad, I.
Sopp- og bakteriesykdommer på poteter. Landbruksdir. Beretn. [Norway] 1930/31, Till.C. 63 p. illus. 1932.
Norwegian. English abstract in Rev. Appl. Mycol. 11: 669-670.

Jørstad, I.
Sprøiteforsøk mot epleskurv. In Hagebruket ... 1930. Landbruksdir. Beretn. [Norway] 1930, Till. G, 32 p. 1931.
Norwegian, English abstr. in Rev. Appl. Mycol. 11: 49.

BOTANY
CURRENT LITERATURE

LIBRARY
RECEIVED
★ JUL 21 1933 ★
U. S. Department of Agriculture

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY,
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C.

Vol. 15, no. 13. June 19 - July 1, 1933.

Addisonia. (N.Y.) (450Ad2)
Addisonia v.18, no.1. col.pl. 577-584. Mr.1933.
Micranthes micranthidifolia, Hypoxis juncea, Sisyrinchium minus, Calathea varians, Rhynchophorum spathulifolium, Sitilias multicaulis, Franklinia alatamaha, Ludwigiantha arcuata.

Agric. Colon. (Firenze) (26Ag82)
Vivoli, G.
I datteri del Fezzàn. (Primo contributo alla conoscenza dei datteri del Fezzàn). Agric. Colon (Firenze) 27: 204-219. illus. My.1933. no.5.

Agron. Colon. (Paris) (26Ag812)
Carton, E.
Importance des facteurs écologiques durée du jour et intensité de la lumière en agronomie tropicale. (cont.) Agron. Colon. 22: 149-155. My. 1933. no.185.

Ledreux, A.
La culture des caféiers à Madagascar. (cont.) Agron. Colon. 22: 156-162. illus., pl. iv. My. 1933. no.185.

Amer. Journ. Bot. (450Am36)
Anderson, J. E.
The genetics and cytology of two fifteen-chromosome mutants from the haploid of Oenothera franciscana. Amer. Journ. Bot. 20: 387-414. illus., pl.22-26. Je.1933. no.6.

Hitchcock, C. L.
A taxonomic study of the genus Nama. I. Amer. Journ. Bot. 20: 415-430. pl.27. Je.1933. no.6.

Swartz, D.
Some developmental characters of species of Lycoperdaceae. Amer. Journ. Bot. 20: 440-465. pl.29-30. Je.1933. no.6.

Amer. Journ. Bot. (cont.)
Weier, T. E.
Neutral red staining in the protonema of Polytrichum commune. Amer. Journ. Bot. 20: 431-439. pl.28. Je.1933. no.6.

Amer. Potato Journ. (75.8P842)
Stevenson, F.J. & Clark, C. F.
Artificial light as an aid in potato breeding. Amer. Potato Journ. 10: 103-107. Je.1933. no.6.

Ann. Mycol. (Berlin) 450An76)
Veselý, R.
Revisio critica Amanitarum europaearum. Ann. Mycol. 31; 209-304. pl. viii-xxv. 1933. no.4.

Ann. Tecn. Agr. (Rome) (16An73)
Barbera, G.
Ricerche sperimentali sulla pectina dell'uva. Ann. Tecn. Agr. (Rome) 6: 229-245. Mr.1933.no.3.

Arch. Bot. Sist. Fitogeogr. e. Gen. (Forli) (450Ar24)
Cengia-Sambo, M.
Osservazioni e confronti sull'ecologia dei licheni delle morene antiche e recenti. I. Arch. Bot. Sist., Fitogeogr. e Gen. 9: 118-134. 1933.no.2.

Landi, M.
Osservazioni e ricerche sulla Lunaria pachyrrhiza Borbás. Arch. Bot. Sist., Fitogeogr. e Gen. 9: 104-117. pl. vi-vii. 1933. no.2.

Morton, F.
Pflanzengeographischen monographie der Quarneroinsel Cherso (cont.) Arch. Bot. Sist., Fitogeogr. e Gen. 9: 135-166. 1933. no.2.

Pampanini, R.
Contributo alla conoscenza della flora della Tripolotania. Arch. Bot. Sist., Fitogeogr. e Gen. 9: 93-103. 1933. no.2.

Arch. Mikrobiol. (Berlin) (442.8Ar26)
Kluyver, A. J. & Reenen, W.J. van
Ueber Azotobacter agilis Beijerinck. Arch. Mikrobiol. 4: 280-300. illus. My.19, 1933. no.2.

Krumbholz, G.
Ist die beibehaltung einer gattung Torulaspora berechtigt? Arch. Mikrobiol. 4: 167-169. My.19, 1933. no.2.

Arch. Mikrobiol. (cont.)

Nadson, G. A. & Rochlin, E. J.

Ueber radiumheferassen. Zum problem experimenteller rassenbildung. Arch. Mikrobiol. 4: 189-208. illus. My.19, 1933. no.2.

Redinger, K.

Epigene cephalodien auf Opegrapha. Arch. Mikrobiol. 4: 237-240. illus. My.19, 1933. no.2.

Rippel, K.

Saugkraftmessungen an sporen von Cladosporium fulvum Cooke und anderen pilzen und grundsätzliches zur methodik der saugkraftmessungen. Arch. Mikrobiol. 4: 220-228. My.19, 1933. no.2.

Atti Soc. Nat. e Mat. Modena (Forli) (507M72A)

Negodi, G.

Su di alcuni deuteromiceti nuovi. Atti Soc. Nat. e Mat. Modena 63: 40-45. illus. 1932.

Gloeosporium somalense, Plenodomus nigricans, Phoma encephalarti.

Chiovenda, E.

Aggiunte alla flora Eritrea. Atti Soc. Nat. e Mat. Modena 63: 35-39. 1932.

Beih. Bot. Centralbl. Abt.II. (Dresden) (450B65Bo)

Hilpert, F.

Studien zur systematik der trichostomaceen. Beih. Bot. Centralbl. Abt.II, 50: 585-706. illus. Ap.1933. no.3.

Klika, J.

Studien über die zerotherme vegetation Mitteleuropas II. Zerotherme gesellschaften in Böhmen. Beih. Bot. Centralbl. Abt. II. 50: 707-773. pl.viii. Ap.1933. no.3.

Krajina, V.

Die pflanzengesellschaften des Mlynica-Tales in den Vysoké Tatry (Hohe Tatra). Mit besonderer berücksichtigung der ökologischen verhältnisse. I. Beih. Bot. Centralbl. Abt.II. 50: 774-957. illus., pl. ix-xiii. Ap.1933. no.3.

Ber. Deut. Bot. Ges. (Berlin) (451D48)

Daumann, E.

Die systematische bedeutung des blütennektariums der gattung Iris. Ber. Deut. Bot. Ges. 51: 157-164. My.19, 1933. no.4.

Vorläufige mitteilung.

Biochem. Zeitschr. (Berlin) (384B522)
Montfort, C.
Ueber beziehungen zwischen farbton, lichtausnutzung und stoffgewinn bei roten und grüen florideen sowie bei anderen meeresalgen. Biochem. Zeitschr. 261: 179-201. illus. My.20, 1933. no.1/3.

Blumen u. Pflanzenb. (Berlin) (80B623)
Schmidt, A.
Pilzkrankheit an dahlien. Blumen u. Pflanzenb. 48: 53-54. Ap.1, 1933. no.4.
Entyloma dahliae.

Bot. Arch. (Leipzig) (450B6526)
Härdtl, H.
Beitrag zur kenntnis der gleichgewichtsbewegung an blättern unter besonderer berücksichtigung der bewegungsformen und des wassergehaltes in den tragorganen der spreiten. Bot. Arch. 35: 251-306. illus. My.1933. no.3.
English abstract: p.303-305.

Krohn, V.
Studien über bakteriophagen. I. Kleine beobachtungen über Bacillus pyocyaneus Gessard. Bot. Arch. 35: 351-396. My.1933. no.3.
Resumée of the observations on cultures: p.387-388.

Landfester, H.
Die phylogenie des polyergideae-astes der chlorophyceen. Bot. Arch. 35: 307-350. My. 1933. no.3.
Brief English abstract: p.349.

Bot. Gaz. (Chicago) (450B652)
Arnold, C. A.
A sphenopterid fructification from the Pennsylvanian of Michigan. Bot. Gaz. 94: 821-825. illus. Je.1933. no.4

Bailey, W. M.
Structural and metabolic after-effects of soaking seeds of Phaseolus. Bot. Gaz. 94: 688-713. illus. Je.1933. no.4.

Brown, A. H.
Effects of sulphuric-acid delinting on cotton seeds. Bot. Gaz. 94: 755-770. illus. Je. 1933. no.4.

Bot. Gaz. (cont.)

Evans, C. R.
Germination behavior of Magnolia grandiflora. Bot. Gaz. 94: 729-754. Je.1933. no.4.

Foster, R.G. & Avery, G. S., jr.
Parallelism of precipitation reactions and breeding results in the genus Iris. I. Preliminary study and correlation with other evidence. Bot. Gaz. 94: 714-728. illus. Je.1933. no.4.

Greene, R. A. & Foster, E. O.
The liquid wax of seeds of Simmondisa californica. Bot. Gaz. 94:826-828. Je.1933. no.4.

Henry, L. K.
Mycorhizas of trees and shrubs. Bot. Gaz. 94: 791-800. illus. Je.1933. no.4.

Mack, W.B. & Livingston, B. E.
Relation of oxygen pressure and temperature to the influence of ethylene on carbon-dioxide production and on shoot elongation in very young wheat seedlings. Bot. Gaz. 94: 625-687. Je.1933. no.4.

Moore, C.N. & Haskins, C.P.
Physiological variations in certain crop plants following seed exposure to high-voltage x-rays. Bot. Gaz. 94: 801-807. illus. Je.1933. no.4.

Philp, G. L.
Abnormality in sweet cherry blossoms and fruit. Bot. Gaz. 94: 815-820. illus. Je.1933. no.4.

Snyder, J. C.
Flower bud formation in the Concord grape. Bot. Gaz. 94: 771-779. illus. Je.1933. no.4.

Voss, J.
Pleistocene forests of central Illinois. Bot. Gaz. 94: 808-814. illus. Je.1933. no.4.

Whitaker, T. W.
Cytological and phylogenetic studies in the Cucurbitaceae. Bot. Gaz. 94: 780-790. illus. Je. 1933. no.4.

Bot. Mus. Leafl. Harvard Univ. (451H262)
Ames, O.
A new Epidendrum from Honduras. Bot. Mus. Leafl. Harvard Univ. 8: 6 p. 2 pl. Je.14, 1933.

Bot. Jahrb. Engl. (Leipzig) (450En3B)
Lanfer, K. F.
Ontogenetische und teratologische untersuchungen über die weiblichen blütenzapfen der abietineen, der cupressineen und der taxaceen mit besonderer berücksichtigung der bei einigen arten vorkommenden vergrünungen (anamorphosen) Bot. Jahrb. Engl. 65: 509-558. xiii pl. My.8, 1933. no.4/5.
Ein beitrag zur kenntnis der weiblichen blüten der coniferen.

Poellnitz, K. v.
Anacampseros L. (schluss). Bot. Jahrb. Engl. 65: 385-448. illus. My.8, 1933. no.4/5.

Smith, J. J.
Orchidaceae selebenses Kjellbergianae. (Selebes-expedition 1929). Bot. Jahrb. Engl. 65: 449-508. My.8, 1933. no.4/5.

Troll, W. & Suessenguth, K.
Verzeichnis der mit schild- bzw. schlauchblättern versehenen angiospermen. Auf grund der zusammenstellung von C. de Candolle. Bot. Jahrb. Engl. 65: 359-596. My.8, 1933. no.4/5.

Botaniste (Paris) (450B657)
Dangeard, P. A.
Nouvelles observations sur les parasites des eugléniens. Botaniste 25: 3-46. pl. i-iv. My.1933. no.1/2.
Nucleopsis ambigua n.gen. n.sp., Phacus segrianum, n.sp.

Eftimiu, P.
Sur la spermatogénèse chez Bucegia romanica Radian. Botaniste 25: 117-136. illus., pl.viii. My. 1933. no.1/2.

Kühner, R.
Etudes sur les genre Marasmius. Botaniste 25: 57-114. illus., pl.vii. My.1933. no.1/2.

Bulet. Grad. Bot. Univ. Cluj. (Roumania) (451C62)
Bujorean, G.
Geohigrometru, un nou higrometru de maxima si minima. (Wesentlichste merkmale eines neuen geohigrometers.) Bulet. Grad. Bot. Univ. Cluj 12: 113-116. illus. 1932. no.3/4.
German summary: p. 115-116.

Papp, C.
Contributiuni la sistematica si distributia geografica a genului Melica L. in Romania. (Beiträge zur systematik und geographische verbreitung der gattung Melica L. in Rumanien). Bulet. Grad. Bot. Univ. Cluj 12: 105-112. map. 1932. no.3/4.
German summary: p.112.

Schedae ad floram Romaniae exsiccatam a Museo botanico Universitatis Clusiensis editam. Centuria XI. Bulet. Grad. Bot. Univ. Cluj 12: 115-158. 1932. no.3/4.

Bull. Cl. Sci. Acad. Roy. Belg. (Bruxelles) (504B83B)
Vandendris, R. & Brodie, H.J.
La tétrapolarité et l'étude expérimentale des barrages sexeuls chez les basidiomycètes. Bull. Cl. Sci. Acad. Roy. Belg. V,19: 120-125. 1933.

Bull. Amer. Delphinium Soc. (81Am323)
Orton, C. R.
The virus diseases of plants. Bull. Amer. Delphinium Soc. 4: 26-33. illus. My.1933.

Bull. Counc. Sci. & Ind. Res. Austr. (Melbourne) (514Au72B)
Dadswell, H. E. & Burnell, M.
Methods for the identification of the coloured woods of the genus Eucalyptus. Bull. Counc. Sci. & Ind. Res. Austr. 67. 50 p. 34 pl., maps. 1932.

Bull. Miyazaki Coll. Agr. & For. (107.6M692)
Asano, S.
Ueber den gasaustausch der blattinterzellularen mit der umgebenden luft. Bull. Miyazaki Coll. Agr. & For. 5: 113-131. illus. 1933.

Endô, S.
Studies on the antagonism of microorganisms. IV. Growth and pathogenicity of Sclerotium oryzae-sativae Sawada in the presence of other organisms. Bull. Miyazaki Coll. Agr. & For. 5: 51-75. 1933.

Bull. Miyazaki Coll. Agr. & For. (cont.)

Hino, I.

List of plants susceptible to mosaic and mosaic-like diseases. Bull. Miyazaki Coll. Agr. & For. 5: 97-110. 1933.

Inouye, C.

Meiotic mitosis in Hordeum sativum. Bull. Miyazaki Coll. Agr. & For. 5: 77-95. pl.iv-vi. 1933.

Kato, H.

Spodograms of the leaves in wheat. Bull. Miyazaki Coll. Agr. & For. 5: 29-50. illus. 1933.

Japanese with English summary: p.50.

Numaguti, K., Mukuno, K. & Hidaka, M.

The correlation between the ear-density and size uniformity of kernels according to varieties in rice plant. Bull. Miyazaki Coll. Agr. & For. 5: 13-28. illus. 1933.

Japanese with English summary: p.28.

Bull. Mus. Roy. d'Hist. Nat. de Belg. (504B835B)

Adam, W.

Note sur Heterodera schachtii Schm. parasite des cactus. Bull. Mus. Roy. d'Hist. Nat. de Belg. v.8, no.23. 10 p. illus. 0.1932.

Stockmans, F.

Posidonia perforata Saporta et Marion des marnes de Gelinden (Paléocène). Bull. Mus. Roy. d'Hist. Nat. de Belg. v.8, no.27. 9 p. illus. N. 1932.

Stockmans, F.

Un specimen de Neuropteris tenuifolia Schlotheim sp.avec pennes intercalaires. Bull. Mus. Roy. d'Hist. Nat. de Belg. v.8, no.20. 2 p. pl. S. 1932.

Bull. Soc. Roy. Bot. Belg. (Brussels) (451B41B)

Homès, M. V.

L'étude de la perméabilité cellulaire chez les végétaux. Bull. Soc. Roy. Bot. Belg. 65(II, 15): 22-34. 1932 . no.1.

Considérations générales et revue critique des méthodes d'étude.

Bull. Soc. Roy. Bot. Belg. (cont.)
Martens, P.
L'origine du crochet chez les ascomycètes. Bull. Soc. Roy. Bot. Belg. 65(II, 15): 9. 1932. no.1.
Note préliminaire.

Sternon, F.
Etude d'une plante médicinale mexicaine: Dyschoriste (Calophanes) linearis Gray. Bull. Soc. Roy. Bot. Belg. 65(II,15): 14-21. pl. 1932. no.1.

Bull. Soc. Sci. Nat. Maroc (Rabat) (515Sol)
Gattefossé, J.
Flore cryptogamique de la source thermale de Lalla Aïa. Bull. Soc. Sci. Nat. Maroc 12: 164-167. Je.30, 1932. no.4/6.
S.W. of Oulmès.

Werner, R. G.
Contribution a la flore cryptogamique du Maroc. VI. Bull. Soc. Sci. Nat. Maroc 12: 156-163. pl. Je.30, 1932. no.4/6.

Bull. Trim. Off. Rég. Agr. Midi France (14F849)
Joessel, P. H.
La problème du Monilia de l'abricotier dans la Vallée du Rhone. Bull. Trim. Off. Rég. Agr. Midi France 1932: 215-283. illus. O.1932. no.44.

Calif. Citrogr. (Los Angeles) (80C125)
Barger, W. R.
Water-glass helps to control mold of oranges. Calif. Citrogr. 18: 240, 256. Jl.1933. no.9.

Chem. & Industr. (382M31)
Hilditch, T. P.
A note on certain general features common to most fruit-coat fats. Chem. & Industr. 52: 169T-171T. Je.16, 1933. no.24.

China Journ. (Shanghai) (475C44)
Sowerby, A. de C.
The economic animals and plants of China. China Journ. 18: 289-299. 16 pl. My.1933. no.5.

Compt. Rend. Acad. Agr. France (Paris) (14P215Bc)

Crepin, C.

Les effets de la gelée du 23 avril sur les céréales. Compt. Rend. Acad. Agr. France 19: 688-693. Je.7, 1933. no.19.

Schribaux, E.

Floraison et fructification des bambous. Compt. Rend. Acad. Agr. France 19: 694-695. Je.7, 1933. no.19.

Compt. Rend. Acad. Sci. Paris (505P21)

Colin, H. & Belval, H.

Le raffinose dans les céréales. Compt. Rend. Acad. Sci. Paris. 196: 1825-1827. Je.12, 1933. no.24.

Daniel, L.

Sur la descendance de l'alliaire greffée sur le chou. Compt. Rend. Acad. Sci. Paris 196: 1707-1710. illus. Je.6, 1933. no.23.

Dauphiné, A.

Sur la présence de matières protéiques dans la membrane pecto-cellulosique. Compt. Rend. Acad. Sci. Paris 196: 1738-1739. Je.6, 1933. no.23.

Lagatu, H. & Maume, L.

Composition comparée de la matière sèche de feuilles homologues des rameaux fructifères et des rameaux naturellement stériles d'une vigne. Compt. Rend. Acad. Sci. Paris 196:1445-1447. My.15, 1933. no.20.

Sosa, A.

Sur un hétéroside nouveau de Betula alba L. Compt. Rend. Acad. Sci. Paris 196: 1827-1830. Je.12, 1933. no.24.

Betuloside.

Stoll, A. & Kreis, W.

Sur les glucosides digitaliques initiaux. Compt. Rend. Acad. Sci. Paris 196: 1742-1744. Je.6, 1933. no.23.

Compt. Rend. Soc. Biol. Paris (442.9P21)

Félice, L.de.

Variations de la résistance électrique des végétaux terrestres sous diverses influences. Compt. Rend. Soc. Biol. Paris 113: 302-303. My.20, 1933. no.19.

... "l'influence des anesthésiques: chloroforme, éther, et celle des acides et des bases sur des carottes, des pommes de terre, des navets et des pommes".

Fourcroy, M.

Action de solutions diluées d'acide chlorhydrique sur des racines en voie de croissance. Compt. Rend. Soc. Biol. Paris. 113: 308-311. My.20, 1933. no.19.

Nardi, R.

Observations sur la structure des noyaux d'Hypnum purum L. Compt. Rend. Soc. Biol. Paris 113: 263-265. My.20, 1933. no.19.

Current Science (Bangalore) (475Sci23)

Chaudhuri, H.

Influence of nutrition on sexual expression in maize. Current Science 1:346-347. illus. My. 1933. no.11.

Maheshwari, P.

The presence of scattered vascular bundles in the stem of Elatostema sessile. Current Science 1: 344-345. illus. My.1933. no.11.

Varadachar, K. S. & Subrahmanyan, V.

A direct method of feeding plants and its possible applications in agriculture and horticulture. Current Science 1:348-349. My. 1933. no.11.

Experiments with Helianthus annus, feeding by injection.

Dansk Bot. Ark. (København) (450D23)

Lange, J. E.

Studies in the agarics of Denmark. IX. Tricholoma. Lentinus. Panus. Nyctalis. Dansk Bot. Ark. v.8, no.3. 43 p. col.pl. 1933.

Deut. Landw. Presse (Berlin) (18D482)

Bremer, H.

Die kohlhernie (Plasmodiophora brassicae). Deut. Landw. Presse 60: 292. Je.10, 1933. no.23.

Flor. Exch. (N.Y.) (80F666)

American plant patents through British eyes. Flor. Exch. 81(25): 11-12. Je.24, 1933.

Reprinted from the Horticultural Advertiser (England) of Je.7.

Fortschr. Landw. (Vienna) (19F77)

Musso, J. O.

Eine neue anwendungsart für elektrizität in der pflanzenzucht. Fortschr. Landw. 8: 272-274. illus. Je.15, 1933. no.12.

Gard. Chron. (London) (80G162)

Friend, H.

Herbs and herbalists. VII. Greek herbal lore. Gard. Chron. III, 93: 418. Je.17, 1933. no.2425.

Grove, A.

Fruits of lilies. III Gard. Chron. III, 93: 419-420. illus. Je.17, 1933. no.2425.

Hutchinson, J.

A new "Maddenii" rhododendron. Gard. Chron. III, 93: 386-387. Je.3, 1933. no.2423.

Rhododendron parryae.

Hutchinson, J.

A new "triflorum' rhododendron. Gard. Chron. III, 93: 418-419. Je.17, 1933. no.2425.

Rhododendron pallescens.

Joyner, F. A.

A seed aeroplane. Macrozonania (sic) macrocarpa. Gard. Chron. III, 93: 417. illus. Je.17, 1933. no.2425.

Keeble, F.

The nitrogen hunger of the world. I. Gard. Chron. III, 93: 422-423. Je.17, 1933. no.2425.

The setting of pears. Gard. Chron. III, 93: 395. Je.10, 1933. no.2424.

Stafford, D.

Plant hunting in the Andes of southern Peru. (concl.) Gard. Chron. III, 93: 387-388. Je.3, 1933. no.2423.

Gard. Chron. (cont.)
Tincker, M. A. H.
The influence of the length of day on lettuces. Gard. Chron. III, 93: 404-405. illus. Je.10, 1933. no.2424.

Under-planting in the woodland. Gard. Chron. III, 93: 386. Je.3, 1933. no.2423.

Ward, F. K.
Mr. F. Kingdon Ward's eleventh expedition in Asia. XXX. The abundance of alpines. Gard. Chron. III, 93: 402-403. illus. Je.10, 1933. no.2424.

Gard. & Gardening. (84G16)
Joshua, L. H.
Flowering shrubs. Gard. & gardening 1933: 49-64. illus.

Gartenw. (Berlin) (80G196)
Möhring, K.
Starke schädigungen an freilandtulpen durch pockenkrankheit. Gartenw. 37: 278. illus. Je.9, 1933. no.23.

Hong Kong Nat. Suppl. (410H75A)
Dixon, H. N.
Mosses of Hong Kong. With other Chinese mosses. Hong Kong Nat. Suppl. 2: 1-31. pl. 1-2. Mr.1933.

Setchell, W. A.
Hong Kong seaweeds. III. Sargassaceae. Hong Kong Nat. Suppl. 2: 33-49. pl.3-20. Mr. 1933.

Hoppe-Seyl. Zeitschr. Phys. Chem. (Berlin) (384Z38)
Euler, H. v. & Hellström, H.
Ueber ein indolderivat aus zwei chlorophyll-mutierenden gerstensippen. Hoppe-Seyl. Zeitschr. Phys. Chem. 217: 23-27. My.15, 1933. no.1/2.

Ital. Agr. (Milan) (16Itl)
Caprioli, G.
Antiche industrie agricole: il guado in Rieti. Ital. Agr. 70: 601-609. illus. My.1933.no.5.
Isatis sativa & tinctoria.

Crescini, F.
Effetti simili prodotti da fattori genetici diversi in Trit. vulgare (Vill.). Ital. Agr. 70: 581-588. illus. My.1933. nop5.

Jahrb. Wiss. Bot. (Leipzig) (450P93J)

Grahle, A.

Vergleichende untersuchungen über strukturelle und osmotische eigenschaften der nadeln verschiedener Pinus-arten. Jahrb. Wiss. Bot. 78: 203-294. illus. 1933. no.2.

Lange, S.

Die dorsiventralitätskrümmungen der haferkeimlinge. Jahrb. Wiss. Bot. 78: 157-202. illus. 1933. no.2.

Tobler, F.

Weitere beobachtungen über die wirkung einzelner stoffe auf den bau der bastfasern. (cont.) Jahrb. Wiss. Bot. 78: 295-317. illus. 1933. no.2.

Jardinage. (Paris) (80J282)

Heim, R.

Les maladies cryptogamiques des rameaux des conifères (cont.) Jardinage 20(174):26-28. illus. Je.1933.

Journ. Agr. Prat. (Paris) (14J82)

Francois, L.

Semences caractéristiques des luzernes et trèfles d'Italie. Journ. Agr. Prat. 97(1):462-463. illus. Je.10, 1933. no.23.

Journ. Agr. Res. (Washington, D. C.) (1Ag84J)

Bradford, F.C. & Joley, L.

Infectious variegation in the apple. Journ. Agr. Res. 46: 901-908. illus. My.15, 1933 (Recd Je.22) no.10.

Hurd-Karrer, A. M.

Comparative responses of a spring and a winter wheat to day length and temperature. Journ. Agr. Res. 46: 867-888. illus. My.15, 1933 (Recd Je.22) no.10.

McNamara, H. C. & Hooton, D. R.

Sclerotia-forming habits of the cotton root-rot fungus in Texas black-land soils. Journ. Agr. Res. 46: 807-819. illus. My.1, 1933. (Rec'd Je.22) no.9.

Matz, J.

Artificial transmission of sugar cane mosaic. Journ. Agr. Res. 46:821-839. illus. My.1, 1933. (Recd Je.22) no.9.

Journ. Agr. Res. (cont.)

Pugh, G.W., Johann, H. & Dickson, J.G.

Factors affecting infection of wheat heads by Gibberella saubinetii. Journ. Agr. Res. 46: 771-797. illus. My.1, 1933. (Rec'd Je.22) no.9.

Tascher, W. R.

Experiments on the control of seed-borne diseases by x-rays. Journ. Agr. Res. 46: 909-915. My.15, 1933. (Recd Je.22) no.10.

Tullis, E. C.

Ophiobolus oryzinus, the cause of a rice disease in Arkansas. Journ. Agr. Res. 46: 799-806. illus. My.1, 1933. (Rec'd Je.22) no.9.

Wilson, L. B.

Effects of chlorine, bromine, and fluorine on the tobacco plant. Journ. Agr. Res. 46: 889-899. illus. My.15, 1933 (Rec'd Je.22) no.10.

Journ. Amer. Pharm. Assoc. (Easton,Pa.) (396.9 m33J)

Hester, E.E. & Davy, E. D.

A study of the alkaloids of Datura innoxia, Miller. Journ. Amer. Pharm. Assoc. 22: 514-520. illus. Je.1933. no.6.

Jones, I. & Lynn, E. V.

Differences in species of Taxus. Journ. Amer. Pharm. Assoc. 22: 528-531. Je.1933. no.6.

Journ. Amer. Soc. Agron. (Geneva, N.Y.) (4Am34P)

Bushnell, J.

Symptoms of fertilizer injury to potatoes. Journ. Amer. Soc. Agron. 25: 397-407. illus. Je.1933. no.6.

Halperin, M.

The taxonomy and morphology of bulbous bluegrass, Poa bulbosa vivipara. Journ. Amer. Soc. Agron. 25: 408-413. illus. Je.1933. no.6.

Journ. Chem. Soc. London (382L84J)

Canter, F. W., Robertson, A. & Waters, R. B.

Lichen acids. V. A synthesis of methyl O-tetramethylgyrophorate. Journ. Chem. Soc. London 1933: 493-495. My.1933.

Curd, F. H., Robertson, A. & Stephenson, R. J.

Lichen acids. IV. Antranorin. Journ. Chem. Soc. London. 1933: 130-133.

Journ. Chem. Soc. London (cont.)
Raymond, H.
The alkaloids of Anagyris foetida and their relation to the lupin alkaloids. Journ. Chem. Soc. London 1933: 504-510. My.1933.
Anagyrin & cytisine.

Journ. Counc. Sci. & Industr. Res. Austral. (Melbourne) (514Au72J)
Cohen, W.E. & Jamieson, A. B.
The manganese content of some Australian timbers. Journ. Counc. Sci. & Industr. Res. Austral. 6: 116-119. My.1933. no.2.
Nothofagus cunninghamii and various eucalypts.

Murname, D.
Ragwort poisoning in cattle in Victoria. Journ. Counc. Sci. & Industr. Res. Australia 6: 108-110. My.1933. no.2.
Senecio jacobaea.

Journ. Dept. Agr. West. Austral. (Perth) (23W52J)
Dunne, T. C. & Gardner, C. A.
Drooping-flowered clover (Trifolium cermuum, Brot.) Journ. Dept. Agr. West. Austral. II, 10: 59-62. illus. Mr.1933. no.1.

Gardner, C. A. & Dunne, T. C.
Subterranean clover. (Trifolium subterraneum, Linn.) Journ. Dept. Agr. West. Austral. II, 10: 40-48. illus. Mr.1933. no.1.

Pittman, H. A.
Barley smuts and their control. Journ. Dept. Agr. West. Austral. II, 10: 2-8. illus. Mr. 1933. no.1.

Journ. Genetics (London) 442.8J823)
Afify, A.
Chromosome form and behaviour in diploid and triploid Aconitum. Journ. Genetics 27: 293-318. illus. My.1933. no.2.

Black, W.
Studies on the inheritance of tuber colour in potatoes. Journ. Genetics 27: 319-339. My.1933. no.2.

Gairdner, A.E. & Haldane, J.B.S.
A case of balanced lethal factors in Antirrhimum majus. II. Journ. Genetics 27: 287-291. My.1933. no.2.

Journ. Genetics. (cont.)

Marsden-Jones, E.M. & Turrill, W. B.

Studies in variation of Anthyllis vulneraria. Journ. Genetics 27: 261-285. illus., col.pl. xviii-xxi. My.1933, no.2.

Newton, W. C. F.

The inheritance of flower colour in Papaver rhoeas and related forms. Journ. Genetics 21: 389-404. col.pl. xxi-xxv. D.1929. no.3.

Williams, R. D. & Silow, R.A.

Genetics of red clover (Trifolium pratense L.), compatibility. I. Journn. Genetics 27: 341-362. My.1933. no.2.

Journ. Helminth. (London) (436.8J82)

Carroll, J.

A study of the potato eelworm (Heterodera schachtii) in the Irish Free State. Journ. Helminth. 11: 137-156. map, 2 pl. Je.1933. no.3.

Journ. Hered. (Washington) (442.8Am3)

Lindstrom, E. W.

Hereditary-radium-induced variations in the tomato. Journ. Hered. 24: 129-137. illus. Ap.1933. no.4.

McKinney, H.H. & Sando, W.J.

Russian methods for accelerating sexual reproduction in wheat. Journ. Hered. 24: 165-166. Ap.1933. no.4.

Further information regarding "Iarovization".

Neatby, K. W.

A chlorophyll mutation in wheat. Journ. Hered. 24: 159-162. illus. Ap.1933. no.4.

Journ. Inst. Brew. (London) (390.9In7)

Wiebe, G. A.

Barley varieties of California. Journ. Inst. Brew. 39: 242-248. map, 10 pl. on 5. Je.1933. no.6.

Journ. Landw. (Berlin) (18J825)

Blanck, E., Giesecke, F. & Heukeshoven, W.

Ein vorläufiger beitrag zur frage nach dem verlauf der nährstoffaufnahme des hafers während seiner vegetationszeit. Journ. Landw. 81: 91-103. 1933. no.2.

Journ. Landw. (cont.)

Tornau, O. & Meyer, K.

Experimentelle untersuchungen zur oekologie des hafers. III. Journ. Landw. 81: 175-194. 1933. no.2.

Journ. Linn. Soc. Bot. (London) (451L64J)

Brain, E. D.

A comparative study of geotropism in three species of Lupinus. Journ. Linn. Soc. Bot. 49: 375-389. illus. Je.8, 1933. no.329

L. albus, L. polyphyllus, L. arboreus.

Iyengar, M.O.P.

Contributions to our knowledge of the colonial Volvocales of South India. Journ. Linn. Soc. Bot. 49: 323-373. illus., pl. 28. Je.8, 1933. no.329.

Scott, D. H. & Holden, H. S.

On Scolecopteris oliveri. II. The vegetative organs Journ. Linn. Soc. Bot. 49: 309-321. illus., pl.27. Je.8, 1933. no.329.

Journ. Min. Agr. Gt. Brit. (10G79J)

Petherbridge, F. R.

Dusting for pest and disease control in the United States and Canada. Journ. Min. Agr. Gt. Brit. 40: 209-215. Je.1933.no.3.

Journ. N.Y. Bot. Gard. (89N48J)

Britton, N. L.

Arthur Hollick. Journ. N.Y. Bot. Gard. 34: 121-124. port. Je.1933. no.402.

Everett, T. H.

Ornithogalum thyrsoides aureum. Journ. N.Y. Bot. Gard. 34: 142-143. illus. Je.1933. no.402.

Small, J. K.

Native shrubs of the Botanical garden. Their origin and migrations. Journ. N.Y. Bot. Gard. 34: 125-134. map. Je.1933. no.402.

Kakteenk. Deut. Kakteen-Ges. (451D482)

Bödeker, F.

Echinocactus borchersii Böd. sp.n. 1933. Kakteenk. Deut. Kakteen-Ges. 1933: 112. illus. Je.1933. no.6.

Kakteenk. Deut. Kakteen-Ges. (cont.)
Bödeker, F.
Mammillaria brauneana Böd. sp.n. 1933.
Kakteenk. Deut. Kakteen-Ges. 1933: 113-114.
illus. Je.1933. no.6.

Goetsch, W.
In Chiles kakteen-gebieten. I. Eine flugzeug-exkürsion.
Kakteenk. Deut. Kakteen-Ges. 1933: 110-111. Je.
1933. no.6.

Tiegel, E.
Echinocactus heterochromus Web. und Echinocactus pottsii S.-D. Kakteenk. Deut. Kakteen-Ges. 1933: 114-115. illus. Je.1933. no.6.

Landw. Jahrb. Bayern. (München) (18L24)
Ein beitrag zur kenntinis der ligula der gramineen. Landw. Jahrb. Bayern 23: 315-361.
illus. 1933. no.5.

Leafl. For. Comm. Gt. Brit. (99.9G795L)
Great Britain. Forestry commission.
Leaf cast of larch (Meria laricis Vuill.)
Its Leafl. 21. 5 p. illus. Ap.1933.

Lexington Leafl. (Lexington, Mass.) (80L59)
Hamblin, S. F.
Pentstemons... Lexington Leafl. 3: 17-20.
illus. Je.10, 1933. no.5.

Hamblin, S. F.
Veronica... Lexington Leafl. 3: 21-24.
illus. Je.24, 1933. no.6.

Lingnan Sci. Journ. (Canton, China) (22.5C16)
Hu, H.
Phytogeography of Chinese Styracaceae.
Lingnan Sci. Journ. 12(Suppl.): 111-113. My.
1933.

Ma, R. M.
A study on the soil fungi of the Peking district.
Lingnan Sci. Journ. 12 (Suppl.): 115-118. My.1933.

McClure, F. A.
Methods and materials of Chinese table plant culture. Lingnan Sci. Journ. 12(Suppl.): 119-149.
pl.4-13. My.22, 1933.

Lingnan Sci. Journ. (cont.)

Metcalf, F. P.

Bredia, Barthea and Blastus (Melastomaceae). Lingnan Sci. Journ. 12(Suppl.): 153-156. My. 22, 1933.

Bredia pricei n.sp.

Shiu, I.

i Lemons of Kwangtung with a discussion concerning origin. Lingnan Sci. Journ. 12(Suppl.): 271-294. My.22, 1933.

Tai, F. L. & Cheo, C.C.

A dry rot of pomegranate fruit caused by Zythia versoniana Sacc. Lingnan Sci. Journ. 12(Suppl.): 151. My.22, 1933.

Abstract.

Maataloustiet. Aikak. [Agric. Mag] (Helsingfors) (20Su7M)

Hilli, A.

Kasvipatologian ja erikoisesti perunatauteihin kohdistuneen tutkimuksen kehityksestä ja saavutuksista. (On the development and results of plant pathological research especially concerning the potato diseases). Maataloustiet. Aikak. [Agric. Mag.] 5: 71-83. 1933. no.2.

Meded. Landbouwhoogesch. Wageningen. (105.2W122)

Suringar, J. V.

De geschiedenis der verwantschapsidee in het plantenrijk een strijd tusschen intuitie en verstand. II. Vierde periode, die van Linnaeus. Meded. Landbouwhoogesch. Wageningen v.36, no.3. 53 p. 1932.

Mitt. Biol. Reichsanst. Landw. u. Forstw. Berlin (410.9G31M)

Boss, J.

Morphologie und gruppierung der deutschen weizensorten (Beschreibende sortenkunde von Triticum vulgare). Mitt. Biol. Reichsanst. Land- u. Forstw. Berlin h.45. 112 p. xxxii pl. 1933.

Mitt. Deut. Landw. Ges. (Berlin) (18D48M)

Eichinger, A.

Der kartoffelschorf und seine bekämpfung. Mitt. Deut. Landw. Ges. 48: 511-512. Je.10, 1933. no.23.

Nat. Canad. (Quebec) (410N216)

Rousseau, J.

Essai de bibliographie botanique canadienne. (cont.) Nat. Canad. 60: 194-201. Je.1933. no.6.

Nature (London) (472N21)
Loughnane, J. B.
Insect transmission of virus A of potatoes. Nature 131: 838-839. Je.10, 1933. no.3319.

New Zeal. Journ. Agr. (Wellington) (23N48J)
Allan, H.H. & Woodhead, C.E.
Apple root-stock investigations. New Zeal. Journ. Agr. 46: 256-259. illus. My.20, 1933. no.5.

Chamberlain, E. E.
Blossom-end rot of tomatoes, Its appearance, cause, and preventive treatment. New Zeal. Journ. Agr. 46: 293-296. illus. My.20, 1933. no.5.

Neill, J. C.
Celery-spot and its control. New Zeal. Journ. Agr. 46: 289-292. illus. My.20, 1933. no.5.

New Zeal. Journ. Sci. & Techn. (Wellington) (514N48)
Tiller, L.W. & Chittenden, E.
Relation of storage temperature to the overseas carriage of some further varieties of New Zealand export apples. New Zeal. Journ. Sci. & Techn. 14: 241-251, 288-297. F., Ap.1933. no.4,5.

Nord. Jordbrugsforskn. (København) (11N752)
Buchwald, N. F.
De nyeste forskningsresultater vedrørende den kønnede forplantning hos rustsvampene. Nord. Jordbrugsforskn. 1933: 131-148. illus. 1933. no.2.

Ochrana Rostlin (Prague) (464.80c3)
Blattný, C. & Vukolov, V.
Novotvary na kořenech ruže (Rosa) a smrku (Picea). (Ueber die neubildungen an den wurzeln der Rosa u. Picea.) II. Ochrana Rostlin 13: 58-63. illus. F.1933. no.1/2.
German summary: p.62-63.

Klečka, A. & Fabian, J.
Srovnávací pokus s hubením plevelu strojenými hnojivy. Ochrana Rostlin 13: 63-70. F.1933. no.1/2.

Smolák, J.
Práce Prof. Dra Boh. Němec z oboru rostlinné pathologie. Ochrana Rostlin 13: 1-7. port. F.1933. no.1/2.

Ochrana Rostlin. (cont.)

Straňák, Fr. & others.
Zpráve o vyznačných škodlivých činitelích kulturních rostlin v Československé Republice ve vegetačním období 1931-1932. Ochrana Rostlin 13: 7-56. illus. F.1933. no.1/2.

Ohio Journ. Sci. (Columbus) (4100h3)

Berry, W.
Flora in the roof of the Upper Freeport coal at Callahan's mine, Teegarden, Ohio. Ohio Journ. Sci. 33: 208-209. My.1933. no.3.

Camp, W. H.
Distribution and flowering in Wolffia papulifera. Ohio Journ. Sci. 33: 163. My. 1933. no.3.

Chapman, A. G.
Some effects of varying amounts of nitrogen on the growth of tulip poplar seedlings. Ohio Journ. Sci. 33: 164-181. My.1933. no.3.

Chapman, F. B.
Notes on a collection of Myxomycetes from southeastern Michigan. Ohio Journ. Sci. 33: 205-207. My.1933. no.3.

Li, L. C.
New species and varieties of freshwater algae from China. Ohio Journ. Sci. 33: 151-155. pl. My.1933. no.3.

Schaffner, J. H.
Color in various plant structures and the so-called principle of selective adaptation. Studies in determinate evolution. VII. Ohio Journ. Sci. 33: 182-191. My.1933. no.3.

Transeau, E. N.
The genus Zygogonium. Ohio Journ. Sci. 33: 156-162. 2 pl. My.193. no.3.

Orchid Rev. (Richmond, Engl.) (800r15)

Matschat, C. H.
Cypripedium irapeanum. Orchid Rev. 41: 170-171. illus. Je.1933. no.480.

Orchidee (Bandoeng) (800r18)
Over schorpioenen. Orchidee (Bandoeng) 2: 99-107. illus. My.1933. no.5.
Species of Arachnis.

Pam. Państw. Inst. Nauk. Gospod. Wiejsk. Puławach. (Mém. Inst. Nat. Polon. Econ. Rur. Pulawy) (20.5P19)
Barbacki, S.
Spostrzezenia nad wrazliwóscią, ną mączniak (Erisiphe graminis D.C. f. tritici) róznych gatunków pszenicy (Some observations on the susceptibility of various species of spring wheats to mildew (Erisiphe graminis D.C. f. tritici) Pam. Państw. Inst. Nauk. Gospod. Wiejsk. Puławach (Mém. Inst. Nat. Polon. Econ. Rur. Pulawy) 12: 542-549. 1931. no.2.
English summary.

Jankowska-Barbacka, K.
Spis grzybów zebranych w okolicach Puław w latach 1927-30 (List of fungi collected in the surroundings of Pulawy during 1927-30). Pam. Państw. Inst. Nauk. Gospod. Wiejsk. Puławach (Mém. Inst. Nat. Polon. Econ. Rur. Pulawy) 12: 492-508. 1931. no.2.

Pflanzenbau (Berlin) (18P48)
Klinkowski, M.
Die kartoffelknolle als objekt der abbauforschung. Pflanzenbau 9: 419-429. illus. My.1933. no.11.

Konold, O.
Der vergleich des pflanzenzuwachses mit dem temperaturverlauf, ein hilfsmittel für die züchterische auslese. Pflanzenbau 9: 430-436. My. 1933. no.11.

Planta Arch. Wiss. Bot. (Berlin) (450P693)
Füsser, K.
Die transpiration und die transpirationswiderstände verschiedener pflanzentypen. Planta Arch. Wiss. Bot. 19: 485-533. My.11, 1933. no.3.

Kirchheimer, F.
Protoplasma und wundheilung bei Phycomyces. Planta Arch. Wiss. Bot. 19: 574-606. illus. My.11, 1933. no.3.

Planta Arch. Wiss. Bot. (cont.)

Mager, H.
Die endodermis als grenze für stoffwanderungen. Planta Arch. Wiss. Bot. 19: 534-546. My.11, 1933. no.3.

Myer, F. J.
Ueber das leitbündelsystem von Pandanus utilis und den begriff der "zusammengesetzten leitbündel" Planta Arch. Wiss. Bot. 19:607-613. illus. My.11, 1933. no.3.

Renner, O.
Wasserzustand und saugkraft. Planta Arch. Wiss. Bot. 19: 644-647. My.11, 1933. no.3.

Schmitz, H.
Ueber wuchsstoff und geotropismus bei gräsern. Planta Arch. Wiss. Bot. 19: 614-635. My.11, 1933. no3.

Troll, W.
Ueber die blattbildung der ophioglossaceen insbesondere von Ophioglossum. Planta Arch. Wiss. Bot. 19: 547-573. illus. My.11, 1933. no.3.

Walter, H.
Schlusswort. Planta Arch. Wiss. Bot. 19: 648-650. My.11, 1933.no.3.
To his "Die hydratur der pflanze".

Walter, H.
Zur klärung des hydraturbegriffes (Eine entgegnung an O. Renner). Planta Arch. Wiss. Bot. 19: 636-643. My.11, 1933. no.3.

Wulff, H. D.
Zur zytologie des männlichen gametophyten der angiospermen (Vorläufige mitteilung). Planta Arch. Wiss. Bot. 19: 651-652. My.11, 1933. no.3.

Planter (Kulala Lumpur) (78.8P69)

Moore, A.
Sulphur dusting in the control of Oidium heveae. Planter (Kuala Lumpur) 13: 370-373. My.1933. no.10.

Proc. Nat. Acad. Sci. (500N21P)
Barnes, T.C. & Jahn, T.L.
The effect of ice and steam water on Euglena. Proc. Nat. Acad. Sci. 19: 638-641. Je. 1933. no.6.

Smith, F. H.
Preliminary studies of chromosome rings in Brodiaea lactea. Proc. Nat. Acad. Sci. 19: 605-609. illus. Je. 1933. no.6.

Proc. Roy. Soc. Ser. B. (London) (501.L84B)
Thimann, K.V. & Bonner, J.
The mechanism of the action of the growth substance of plants. Proc. Roy. Soc. Ser. B. 113: 126-149. Je.1, 1933. no.B781.

Progr. Agr. & Vitic. (Montpellier) (14P94)
Villedieu, G.
Cuivre et mildiou. Progr. Agr. & Vitic. 99: 548-551. Je.4, 1933. no.23.

Progreso Agr. y Pec. Madrid (15P94)
Palao, M.
La palmera datilera como planta forrajera. Nueva orientación de este cultivo. Progreso Agr. y Pec. Madrid 39: 401-404. illus. Je.7, 1933. no.1777.

Protoplasma (Leipzig) (442.8P94)
Bank, O.
Die entmischung des vitalgefärgten zellsaftes der zwiebelepidermis. Protoplasma 18: 620-627. illus. My.1933.no.4.
Experiments with Allium cepa.

Höfler, K.
Stärkespeicherung kopulierender Spirogyra. Protoplasma 18: 546-553. illus. My.1933. no.4.

Linsbauer, K.
Untersuchungen über plasma und plasmaströmung an Chara-zellen. V. Untersuchungen des protoplasmas mittels der ausflussmethode. Protoplasma 18: 554-595. illus., pl.ix-x. My.1933. no.4.

Puerto Rico Journ. Public Health & Trop. Med. (448.8P83)
Toro, R.
Generic ranks in the Mycotorulae. Puerto Rico Journ. Public Health & Trop. Med. 8: 413-418. Je.1933. no.4.

Queensl. Agr. Journ. (Brisbane) (23Q33)
Bell, A. F.
The control of sugar cane diseases. Queensl. Agr. Journ. 39: 202-207. My.1, 1933. no.5.

Rev. Agr. Guatemala. (8G934)
Herrarte, M. P.
Les plantas que se han usado como barbasco. Se investiga su empleo como insecticidas. Rev. Agr. Guatemala 11: 24-25. Ja. 1933. no.1.

Rev. de Agr. (Piracicaba)(9.2R324)
Averna Saccá, R.
Um entomophago cryptogamico do Caconema radicicola (Greef) Cobb (Fusarium mauroi n.sp.) Rev. de Agr. (Piracicaba) 8: 93-101. 4 pl. on 2. Mr./Ap.1933. no.3/4.

Krug, C. A.
Methodos de melhoramento e conhecimentos actuaes da genetica do milho. Rev. de Agr. (Piracicaba) 8: 102-118. 2 pl. on 1. Mr./Ap. 1933. no.3/4.

Rev. de Tabacos Madrid (69.8R32)
Benitez, J.
Hibridaciones. Rev. de Tabacos Madrid 1932(19): 9-13. illus. O.1932.

Salmones, L. G. de los
La clorosis en el tabaco. Rev. de Tabacos Madrid 1932(25): 8-9. Ap. 1933.

Rev. Bot. Appl. (Paris) (26R323)
Chevalier, A.
Une liliacée saharienne à bulbes toxiques. Rev. Bot. Appl. 13: 351. My.1933. no.141.
Androcymbium gramineum ("lofout en langue toubou et el bassel n'gaboubé en langue kanouri").

Chevalier, A.
Le vrai bois de rose d'antiquité. Rev. Bot. Appl. 13: 347-348. My.1933. no.141.
Rhodorhiza scoparia (Convolvulus scoparius)

Hébert, A.
Sur la composition des graines de Funtumia elastica, l'arbre à caoutchouc de la Côte d'Ivoire Rev. Bot. Appl. 13: 348-350. My.1933. no.141.

Rev. Bot. Appl. (cont.)

Kervegant, D.

Introduction à l'étude des variétés de bananiers à fruits comestibles de la Martiniques. (suite). Rev. Bot. Appl. 13: 337-346. illus. My.1933.

Reznik, A.

Note sur la germination de sorghos. Rev. Bot. Appl. 13:329-336. illus. My.1933. no.141.

Trochain, J.

Une nouvelle maladie parasitaire de haricot de Lima à Cuba. Rev. Bot. Appl. 13: 364-367. My.1933. no.141.

Elsinoe canavaliae.

Trochain, Y.

Les Vaccinium comestibles. III. Vaccinium spontanés comestibles. (fin). Rev. Bot. Appl. 13: 319-329. My.1933. no.141.

Roberty, G.

Notes au sujet de l'alfa et de quelques plantes affines. (suite). Act. Compt. Rend. Assoc. Colon.-Sci. 9: 112-116. My.1933(With Rev. Bot. Appl. v.13, no.141)

Rev.Eaux et For. (Paris) (99.8R322)

Lavauden, L.

Le Parc national Albert. (Congo belge). Rev. Eaux et For. 71: 335-347. 6 pl.on 3, map. My. 1933. no.5.

Rev. Gén. Bot. (Paris) (450R326)

Guilliermond, A.

Recherches cytologiques sur les pigments anthocyaniques et les composés oxyflavoniques. I. Rev. Gén. Bot. 45: 188-210. pl. ii-xiii. (1 col.) My.1933. no.533.

Milovidov, P. F.

Bohumil Němec, à l'occasion du 60^{e} anniversaire de sa naissance. Rev. Gén. Bot. 45: 181-187. port. My.1933. no.533.

Rev. Hort. (Paris) (80R32)

Chaudun, V.

L'hybridization entre noyer et noisetier est-elle possible? Rev. Hort. 105: 404-405. illus. My,16, 1933. no.17.

Rev. Hort. (cont.)
Jahandiez, E.
Les plantes grasses autres que les cactées. Les agaves. Rev. Hort. 105: 403-404. My.16, 1933. no.17.

Riv. Patol. Veg. (Pavia) (464.8R52)
Lindegg, G.
Anguillulosi della Crassula lycopodiodes. Riv. Patol. Veg. 23: 177-183. illus. Mr./Ap. 1933. no.3/4.

Possenti, V.
Osservazioni intorno all'incipollimento del frumento (Sclerospora macrospora). Riv. Patol. Veg. 23: 123-127. Mr./Ap. 1933. no.3/4.

Rivera, V. & Corneli, E.
Progressivo estendersi di epidemie da Urocystis su frumento. Riv. Patol. Veg. 23: 171-176. Mr./Ap. 1933. no.3/4.

Sempio, C.
Sulla progressiva distruzione delle alberate di platani in alcune zone dell'Italia centrale. Riv. Patol. Veg. 23: 129-170. pl. i-vii. Mr./Ap. 1933. no.3/4.

Romagna Agr. e Zootecn. (Ravenna) (16R66)
Dotti, F.
La lotta contro la Peronospora e la concentrazione della poltiglia bordolese. Romagna Agr. e Zootecn. 27: 117-120. My.1933. no.5.

Schweiz. Obst.- u. Gartenb. Zeit. (Münsingen) (80Sch92)
Osterwalder, A.
Schorfbekämpfungsversuche in sommer 1932 (schluss). Schweiz. Zeitschr. Obst- u. Weinb. 42: 157-162. My.13, 1933. no.10.

Science (470Sci2)
Copisarow, M.
The problem of twisted trees. Science 77: 581-583. Je.16, 1933. no.2007.

Godfrey, G. H.
Chlorpicrin injurious to greenhouse plants. Science 77: 583. Je.16, 1933. no.2007.

Science. (cont.)

Steil, W. N.

Incomplete nuclear divisions and not amitosis in the tapetum of the eusporangiate ferns. Science 77: 606-607. Je.23,1933. no.2008.

Science News Letter (470Sci24)

Fermentation frees seed from bacterial diseases. Science News Letter 24:14. Jl.1, 1933. no.638.

Experiments of H.L. Blood, U.S. Dept. of agriculture.

Scient. Agr. (Ottawa) (7Sci2)

Hanna, W. F. & Popp, W.

The overwintering of bunt spores in western Canada. Scient. Agr. 13: 636-637. Je.1933. no.10.

Neatby, K. W.

The type of infection of wheat seedlings by Puccinia graminis tritici in the greenhouse as a measure of the percentage infection in the field. Scient. Agr. 13: 625-635. Je.1933. no.10.

Sanford, G. B.

Some soil microbiological aspects of plant pathology. Scient. Agr. 13: 638-641. Je.1933. no.10.

Seed World (Chicago) (61.8Se52)

Hyslop, G. R.

Seed production in relation to mosaic diseases. Seed World 33(13): 22-24. Je.23,1933.

South. Flor. (Fort Worth, Tex.) (80So86)

Hillock, V.S.

Plant migration and the patent act. South. Flor. 35(12): 7,16. Je.23, 1933.

In dealing here with the fact of plant devitalization resulting from transference of roses from a cold to a hot climate, the writer cites concrete instances tending to show the unwisdom of the patent act.

Spec. Publ. Amer. Comm. Intern. Wild Life Prot. (279.9Am3)

Raup, H.M.

Range conditions in the Wood buffalo park of western Canada... Spec. Publ. Amer. Comm. Intern.Wild Life Prot. v.1, no.2. 52 p. map. 1933.

Annotated list of the more important forage plants: p.34-39; Plants known or thought to be injurious to grazing stock: p.40-42.

Suomen Maataloust. Seuran Julk. (Acta Agralia Fenn.) (Helsinki) (20Sci7)

Kivinen, E.

Suokasvien ja niiden kasvualustan kasvinravintoainesuhteista. (Untersuchungen über den gehalt en pflanzennährstoffen in moorpflanzen und an ihren standorten). Suomen Maataloust. Seuran Julk. (Acta Agralia Fenn.) no.27. 140 p. 1933.

German summary: p.123-140.

Svenska Linné-Sällsk. Årsskr. (502Sv2)

Gertz, O.

Celesiska herbarieväxter i Lund. Svenska Linné-Sällsk. Årsskr. 16: 133-136. 1933.

Sernander, R.

Hortus linnaeanus och den gynnsamma vegetationsperioden 1932. Svenska Linné-Sällsk. Årsskr. 16: 31-40. illus. 1933.

Brief English summary: p.141.

Stenström, F.

Engelbert Jörlin ännu ett blad i Linneanernas historia. Svenska Linné-Sällsk. Årsskr. 16: 1-30. illus. 1933.

Tidsskr. Planteavl. (København) (11T439)

Jørgensen, C. A.

Afprøvning af jorddesinfektionsmidler. Tidsskr. Planteavl. 39: 316-328. 1933. no.2.

Jørgensen, C. A. & Nielsen, O.

Kartoffelsorter og kartoffelsygdomme orienterende undersøgelser. Tidsskr. Planteavl. 39: 295-315. 1933. no.2.

Tidsskr. Planteavl. (cont.)

Stapel, Chr.

Undersøgelser over humblebier (Bombus Latr.) deres udredelse, traekplanter og betydning for bestøvningen af rødkløver (Trifolium pratense L.) (Investigations on the humble-bee (Bombus Latr.), its distribution, feeding-plants and importance in pollination of red clover (Trifolium pratense L.) Tidsskr. Planteavl. 39: 193-294. illus. 1933. no.2.

English summary: p.289-292.

Tijdschr. Plantenz. (464.8T44)

Hus, P.

Ziekten en beschadigingen van klein fruit (bessen, frambozen, aardbeien). Tijdschr. Plantenz. 39: 121-158. pl. x-xv. Je.1933. no.6.

Torreya (450T63)

Benedict, R.

A poison ivy experiment. Torreya 33: 65-66. My./Je.1933. no.3.

Did not find jewel weed an antidote.

Cockerell, T. D. A.

A fossil golden rod. Torreya. 33: 72. illus. My./Je. 1933. no.3.

Solidago praeconcinna n.sp.

Moldenke, H. N.

A new species of Vitex from South America. Torreya 33: 67-69. My./Je.1933. no.3.

Vitex brittoniana.

Morton, C.V. & Thompson, J. W.

A new Silene from Washington. Torreya 33: 70-71. My./Je. 1933. no.3.

Silene seelyi.

Torrey, R. H.

Rock tripes on Long Island glacial boulder. Torreya 33: 63-64. My./Je.1933. no.3.

Gyrophora dillenii, Umbilicaria pustulata.

Whitehead, J..

Desert wild flowers. Torreya 33: 57-62. My./Je. 1933. no.3.

Die Umschau (Frankfurt) (474Um7)
Ivan Mitschurin, der russische gärtner.
Die Umschau 37: 437-439. illus. Je.3,1933.
no.23.

U.S. Dept. Agr. Circ. (1Ag84C)
Beckett, R. E.
Budding and grafting trials with cotton and related plants. U.S. Dept. Agr. Circ.267. 14 p. illus. My.1933.

U.S. Dept. Agr. Leafl. (1Ag84L)
Gahn, B. W.
How to control ragweed the principal cause of autumn hay fever. U.S. Dept. Agr. Leafl. 95. 2 p. illus. Je. 1933.

U.S. Dept. Agr.Plant Dis. Rep. (1.9P69P)
Buhrer, E.M., Cooper, C. & Steiner, G.
A list of plants attacked by the root knot nematode (Heterodera marioni) U.S. Dept. Agr. Plant Dis. Rep. 17: 64-96. Je.15, 1933. no.7.

U.S. Dept. Agr. Yearbk. (1Ag84Y)
Doyle, C. B.
Multiplicity of varieties handicaps improvement in the American cotton crop. U.S. Dept. Agr. Yearbk. 1932: 107-114. illus. 1933.

Humphrey, H. B.
Wheat is attacked by rusts, smuts, and other destructive diseases. U.S. Dept. Agr. Yearbk. 1932: 161-168. illus. 1933.

Magness, J.R. and others.
Fruit and nut industries show decided trend toward higher-quality production. U.S. Dept. Agr.Yearbk. 1932: 328-335. 1933.

Martin, J.H.
Grain sorghums highly drought resistant; many varieties grown in U.S. U.S. Dept. Agr. Yearbk. 1932: 195-198. 1933.

Neal, D. C.
Cotton diseases take two million bales of U.S. crop annually. U.S. Dept. Agr. Yearbk. 1932: 121-125. illus. 1933.

U.S. Dept. Agr. Yearbk. (cont.)

Richey, F. D.

Corn hybrids result from crossing carefully selected parent lines. U.S. Dept. Agr. Yearbk. 1932: 182-190. illus. 1933.

Robinson, T.R. & Shamel, A. D.

Citrus growers try out new varieties as supply of standard sorts mounts. U.S. Dept. Agr. Yearbk. 1932: 325-328. 1933.

Salmon, S. C.

Nearly 300 varieties of wheat grown on United States farms. U.S. Dept. Agr. Yearbk. 1932: 147-153. 1933.

Stanton, T. R.

Oat varieties have regional adaptation; remain major crop. U.S. Dept. Agr. Yearbk. 1932: 191-195. illus. 1933.

Waite, M. B.

Control of fruit and nut diseases by new method making headway. U.S. Dept. Agr. Yearbk. 1932: 354-359. illus. 1933.

Westover, H. L.

Alfalfa losses from bacterial wilt heavy; resistant kind sought. U.S. Dept. Agr. Yearbk. 1932: 212-216. 1933.

Veröffentl. Staatl. Stelle Natursch. Württ. Landes. Denkmalpfl. (410.9W96)

Gradmann, R.

Steppenheidepflanzen in Oberschwaben. Veröffentl. Staatl. Stelle Natursch. Württ. Landes. Denkmalpfl. 9: 5-13. maps. 1932.

Kreh, W.

Das pflanzenkleid der umgebung von Stuttgart. Veröffentl. Staatl. Stelle Natursch. Württ. Landes. Denkmalpfl. 9: 37-74. 1932.

Zimmermann, W.

Bemerkenswerte rassen schwäbischer pflanzen. I-IV. Veröffentl. Staatl. Stelle Natursch. Württ. Landes. Denkmalpfl. 9: 20-36. illus. 1932.

Visnik Kiivs. Bot. Sadu. (Bull. Jard. Bot. Kieff)(451K54)

Kleopov, I. G.

Ogli͡ad predstavnikiv r. Dianthus Ukraïni ĭ sumezhnikh mistsevosteĭ (Conspectus Dianthorum Ucrainiae). Vishnik Kiïvs. Bot. Sadu. (Bull. Jard. Bot. Kieff) 14: 99-140. 1932.

Ukrainian with Latin diagnosis of new species (D. eugeniae, D. rogowiczii, D. pineticola).

Klokov, M. & Desi͡atova-Shostenko, N.

Chebretsi Ukraïni (Conspectus Thymorum Ucrainiae Vishnik Kiïvs. Bot. Sadu. (Bull. Jard. Bot. Kieff) 14: 77-98. map. 1932.

Ukrainian with Latin diagnosis of new species (T. joldavicus, T. kaljmijussicus)

Modilevsk'ki, J.

Novi sposterezhenni͡a nad i͡adertsem v i͡adrakh vishchikh roslin. (Ueber den nucleolus). Visnik Kiïvs. Bot. Sadu (Bull. Jard. Bot. Kieff) 14: 143-154. 1932.

Ukrainian with German summary.

Fourkraea bedinghousenii, Neottia nidus avis, Galtonia candicans, Allium moly.

Moiseeva, M.

Shche pro mitogenetichne prominni͡a (Ueber mitogenetische strahlung). Vishnik Kiïvs.Bot. Sadu (Bull. Jard. Bot. Kieff). 14: 3-17. illus. 1932.

Ukrainian with German summary.

Moskovets, S. M.

Gribi-shkidniki derevini skladu derevoodbrobnoï fabriki im Bozhenka v Kievi (The wooddestroying fungi found in the sheds of the Bozhenko factory in Kiew). Vishnik Kiïvs. Bot. Sadu (Bull. Jard. Bot. Kieff) 14: 155-160. 1932.

Ukrainian.

Proshkina-Lavrenko, A.

Do pitanni͡a pro al'grofl'our richok, i͡ak element stepovogo li͡andshaftu (The algae of the steppe rivers as an element of the steppe landscape). Vishnik Kiïvs. Bot. Sadu (Bull. Jard. Bot. Kieff) 14: 19-48. 1932.

Ukrainian with English summary.

Visnik Kiïvs. Bot. Sadu (Bull. Jard. Bot. Kieff) (cont.)

Zankevich, E. Kh.

Vpliv metalevikh ĭoniv na formu ta dinamiku plazmolizi (Ueber den einfluss der metallionen auf die form und dynamik der plasmolyse). Vishnik Kiïvs. Bot. Sadu (Bull. Jard. Bot.Kieff) 14: 49-76. iii pl. 1932.

Ukrainian with German summary.

Zeitschr. Bot. (Jena) (450Z32)

Hüttig, W.

Ueber physikalische und chemische beeinflussungen des zeitpunktes der chromosomenreduktion bei brandpilzen. Zeitschr. Bot. 26:1-26. 1933.no.1.

Zeitschr. Indukt. Abstamm. u. Vererbungsl. (Leipzig) (442.8Z34)

Stubbe, H.

Untersuchungen über experimentelle auslösung von mutationen bei Antirrhinum majus. IV. Ueber die beziehung zwischen dosis und genmutationsrate nach röntgenbestrahlung männlicher gonen. Zeitschr. Indukt. Abstamm. u. Vererbungsl. 64: 181-204. 1933. no.3/4.

Zeitschr. Pflanzenkr. (Stuttgart)(464.8Z3)

Köck, G.

Ueber die bedeutung der biologischen bekämpfungsmethoden für den praktischen pflanzenschutz. Zeitschr. Pflanzenkr. 43: 358-361. Je.1933. no.6.

Tubeuf, K. v.

Studien über symbiose und disposition für parasitenbefall sowie über vererbung pathologischer eigenschaften unserer holzpflanzen. II. Dispositionsfragen für den befall der bäume durch pilze und käfer. Zeitschr. Pflanzenkr. 43: 257-357. illus. Je.1933. no.6.

Zentralbl. Bakt. Abt.II. (Jena)(448.3C33)

Israilsky, W. P. & Leonowitsch, K.

Dissoziation bei einigen bakterienarten. II. Zentralbl. Bakt. Abt.II, 88: 216-235. illus., pl. My.26, 1933. no.8/12.

Niethammer, A.

Nektarorganismen von bekannten honigpflanzen. Zentralbl. Bakt. Abt.II. 88:208-213. illus. My.26, 1933. no.8/12.

Der Züchter (Berlin) (442.8Z8)

Crebert, H.
Beiträge zu einer genotypischen analyse der ackerbohne (Vicia faba L.) nach M.J. Sirks. Der Züchter 5: 105-114. My.1933. no.5.

Hackbarth, J., Loschakowa-Hasenbusch, N. & Sengbusch, R.v.
Die züchtung frühreifer tomaten mittels kreuzungen zwischen Solanum lycopersicum und Solanum racemigerum. Der Züchter 5: 97-105. illus. My.1933. no.5.

Piescu, A.
Tabakbau und tabakzüchtung in Rumänien. Der Züchter 5: 114-120. illus. My.1933. no.5.

Exper. Stat. Publ.

Joslyn, M.A. & Marsh, G. L.
Changes occurring during freezing storage and thawing of fruits and vegetables. California Agr. Exp. Stat. Bull. 551. 40 p. My.1933 (100C12S)

Haltern, F.V.
Spraying cantaloupes for the control of downy mildew and other diseases. Georgia Agr. Exp. Stat. Bull.175. 53 p. illus. Mr.1933 (100G29S)

Wildon, C. E.
Lists of rock garden plants. Mich Agr Exp. Stat. Spec. Bull. 228, Suppl. 41 p. Ja.1933. (100M58S)

Cummings, M.B., Jenkins, E. W. & Dunning, R. G.
Rootstock effects with cherries, seed and phyton propagation. Vermont Agr. Exp. Stat. Bull. 352. 36 p. illus., iii pl. Mr.1933(100V59)

Beath, O. A.
Three species of Zygadenus (death camas). Wyoming Agr. Exp. Stat. Bull.194. 39 p. illus. Ap.1933 (100W99)
Z. gramineus, Z. paniculatus, Z. elegans.

New Books.

Appel, O.
Atlas der krankheiten der landwirtschaftlichen kulturpflanzen. r. reihe 3. 11 col.pl. Berlin, P.Parey, 1933 (f^o464D81)

New Books (cont.)

Becker-Dillingen, J.
Handbuch der ernährung der gärtnerischen kulturpflanzen einschliessich der heil- und gewürzpflanzen. Berlin, P. Parey, 1933. (463.34B38)

British Gladiolus society.
List of gladiolus names. Comp. for and issued by the British gladiolus society. Colchester, The Essex telegraph, [1930?] (96.43B77)

Colman, Sir J.
Hybrisization of orchids. [n.p., 1932] (96.2C71)
Half-title: Gatton park orchids 1889-1932.

Farrer, R.
The rock garden. London & Edinburgh, T. Nelson & sons, [1933?] (97.14F24)

Grey, R. M. & Hubbard, F. T.
List of plants growing in the Botanical garden of the Atkins institution of the Arnold arboretum at Soledad, Cienfuegos, Cuba. Cambridge, Harvard university press, 1933 (452.5Ar6)

Hall, Sir A.D. & Crane, M. B.
The apple. London, M. Hopkinson, 1933. (93.31H14)

Harding, A. (H.)
Lilacs in my garden. N.Y., Macmillan, 1933. (97.31H21)

Jacobsen, H.
Die sukkulenten... Berlin, P. Parey, 1933. (96.3J13)

Kach, P.
Die praxis des samenbaues der blütenpflanzen. Berlin, P. Parey, 1933 (96K11)

Kopaczewski, W.
Traité de biocolloïdologie v.4, f.1, Essais de morphogénie. Paris, Gauthiers-Villars, 1933(386.2K832)

New Books. (cont.)

Lecomte, H. & Gagnepain, F.
Flore générale de l'Indo-Chine. v.3, fasc.7. Paris, D. 1930 (460.13L49)
Myrsinacées (fin) par J. Pitard; sapotacées, ébénacées, par. H. Lecomte.

Leupin, K. O.
Beiträge zur anatomie des laubblattes pharmazeutisch interessanter Papilionatae. Pratteln, Buchdruckeriei K. Schahl,1932 (463.47L57)
Inaug.-diss. - Basel.

Lhöste, L. & Gémy, M.
Les plantes bulbeuses de nos jardins. Paris, Librarie agricole de la "Maison rustique". 1933 (96.4L61)

Osborn, A.
Shrubs and trees for the garden. London, Ward, Lock, & Co., 1933 (97.31Os1)

Pagliani, L.
Le piante aromatiche e da profumo. Torino, Unione tripografico-editice torinense, 1933. (308P14)

Die pflanzenareale ... 3. reihe,h.8. Jena, G. Fischer, 1933 (f°452.9H192)
Murbeck, S. Verbascum, Celsia, Staurophragma - Samuelsson, G. Alisma. - Donat, A. Einige isoetiden II. (Littorella, Isoetes echinospora, I. savatieri) - Rikli, M. Erica arborea.

Séghers, N.
Les arbustes, arbrisseaux et sous-arbrisseaux d'ornement croissant sous le climat de la Belgique. Ostende, Impr. A. Leys,1930 (97.31Se3)

Smith, G. M.
The fresh-water algae of the United States N.Y., McGraw-Hill, 1933. (461.4Sm5)

Tanaka, T.
Citrus studies... by Prof. Työzaburô Tanaka. Tokyo, Yoken do,1933 (J93.33T15)
Japanese.

BOTANY
CURRENT LITERATURE

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY.
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C.

LIBRARY
RECEIVED
★ AUG 15 1933 ★
U.S. Department of Agriculture

Vol.15, no.14. July 3-15, 1933.

Acta Inst. et Horti Bot. Univ. Tartuensis. (451T17)

Lippmaa, T.

Aperçu général sur la végétation autochtone du Lautaret (Hautes-Alpes) avec des remarques critiques sur quelques notions phytosociologiques. Acta Inst. et Horti Bot. Univ. Tartuensis v.3, no.3. 108 p. illus., vii pl., fold. map. 1933.

Lippmaa, T.

Taimeühingute uurimise metoodika ja eesti taimeühingute klassifikatsiooni Pöhijooni. (Grundzüge der pflanzensoziologischen methodik nebst einer klassifikation der pflanzenassoziationen Estlands). Acta Inst. et Horti Bot. Univ. Tartuensis v.3, no.4. 169 p. illus. 1933.

German summary: p.140-159.

Acta Phytochim. (Tokyo) (451Ac8)

Yakushiji, E.

Ueber die katalase und ihre rolle im reaktionsmechanismus der photosynthese. Acta Phytochim. 7: 93-115. My.1933. no.1.

Tamiya, H. & Yamagutchi, S.

Beiträge zur atmungsphysiologie der schimmelpilze III. Ueber die aufbau- und die erhaltungsatmung. Acta Phytochim. 7: 43-64. My.1933. no.1.

Tamiya, H.

Ueber die stoff- und die energiebilanz bei dem wachstumsvorgange des schimmelpilzes. Bemerkungen zu der arbeit von L. Algera. Acta Phytochim. 7: 27-41. My. 1933. no.1.

Yamamoto, A.

Ueber den einfluss einiger gifte und der temperatur auf den ausnutzungsgrad der atmungsenergie beim wachstum des schimmelpilzes. Acta Phytochim. 7: 65-92. My. 1933. no.1.

Agr. & Live-stock, India. (Calcutta) (22Ag83A)

Masur, N. G.

Castor-breeding in the Bombay Presidency. Agr. & Live-stock, India 3: 125-143. Mr.1933. no.2.

Mohammad, A., Alam, Z. & Khanna, K.L.

Studies on germination and growth in groundnut (Arachis hypogaea Linn.) Agr. & Live-stock, India 3: 91-115. illus.pl.x. Mr.1933. no.2.

Singh, T.C.N.

A labor-saving dividing-compasses for measuring halo-length of cottons. Agr. & Live-stock, India 3: 173-175. illus. Mr.1933. no.2.

Agron. Colon. (Paris) (26Ag812)

Carton, P.

Importance des facteurs écologiques durée du jour et intensité de la lumière en agronomie tropicale (concl.) Agron. Colon. 22: 182-186. Je. 1933. no.186.

Ledreux, A.

La culture des caféiers à Madagascar. (cont.) Agron. Colon. 22: 187-192. pl.v. Je.1933. no.186.

Alpe Riv. For. Ital. (Piacenza) (99.8A17)

Fiori, A.

Notizie botaniche sui pioppi e sui salici. Alpe Riv. For. Ital. 20: 161-173. illus. My./Je. 1933. no.5/6.

Passavalli, L. P.

I nemici vegetali ed animali del pioppo. Alpe Riv. For. Ital. 20: 192-201. illus. My./Je. 1933. no.5/6.

Amer. Fern Journ. (450Am35)

Benedict, R. C.

The hart's tongue in three continents. Amer. Fern Journ. 23: 63-64. Ap./Je.1933. no.2.

Blake, S. F.

A unilaterally fertile frond of Dryopteris thelypteris. Amer. Fern Journ. 23: 67-68. pl.3. Ap./Je. 1933. no.2.

Hunnewell, F. W.

A further note on Ophioglossum engelmanni in Virginia. Amer. Fern Journ. 23: 66. Ap./Je. 1933. no.2.

In Frederick Co.

Amer. Fern Journ. (cont.)

Kriebel, R. M.
Asplenium ebenoides R.R. Scott in Lawrence county, Indiana. Amer. Fern Journ. 23: 52-59. illus. Ap./Je.1933. no.2.

Lyness, A. S.
Notes on the fern flora of Iowa. Amer. Fern Journ. 23: 39-49. Ap./Je.1933. no.2.

Palmer, E. J. & Steyermark, J.A.
The family Isoëtaceae in Missouri. Amer. Fern Journ. 23: 65-66. Ap./Je. 1933. no.2.

Ruggs, H. G.
Cystopteris montana in Glacier national park. Amer. Fern Journ. 23: 66-67. Ap./Je. 1933. no.2.

Ann. Inst. Pasteur (Paris) (448.3An75)

Dusi, H.
Recherches sur la nutrition de quelques eugle´nes II. (1). Euglena stellata, klebsii, anabaena, deses, et pisciformis. Ann. Inst. Pasteur 50: 840-890. Je.1933. no.6.

Ann. Missouri Bot. Gard. (St. Louis) (451M69)

Perry, L.M.
A revision of the North American species of Verbena. Ann. Missouri Bot. Gard. 20: 239-362. pl.13-15. Ap.1933. no.2.

Wynd, F. L.
Nutrient solutions for orchids. Ann. Missouri Bot. Gard. 20: 363-372. Ap.1933. no.2.

Ann. Rep. Counc. Scient. & Indust. Res. Australia. (514Au72An)

Australia. Council for scientific and industrial research.
Plant investigations. In its Ann. Rep. 6(1931/32): 16-20. 1932.
B.T. Dickson chief.

Ann. Rep. Dept. Agr. Mauritius (24M443A)

Shepard, E. F. S.
Botanical division. Ann. Rep. Dept. Agr. Mauritius 1931: 12-15. N.1932.

Ann. Rep. Florida State Geol. Surv. (406F66A)

Gunter, H. & Ponton, G.M.
Notes on the geology and the occurrence of some diatomaceous earth deposits of Florida. Ann. Rep. Florida State Geol. Surv. 23/24(1930/32): 57-64. illus. (maps) 1933.

Ann. Rep. Florida State Geol. Surv. (cont.)

Hanna, G. D.
Diatoms of the Florida peat deposits. Ann. Rep. Florida State Geol. Surv. 23/24(1930/32): 68-119. 11 pl. 1933.

Kurz, H.
Cypress domes. Ann. Rep. Florida State Geol. Surv. 23/24(1930/32): 54-56. illus. 1933.

Kurz, H.
Northern disjuncts in northern Florida. Ann. Rep. Florida State Geol. Surv. 23/24(1930/32): 50-53. 1933.

Ann. Rep. Tea Res. Inst. Ceylon (68.19C33)

Gadd, C. H.
Report of the mycologist for the year 1932. Ann. Rep. Tea Res. Inst. Ceylon 1932(Bull.10): 17-26. 1932.

Beih. Bot. Centralbl. Abt.I. (Dresden) (450B65B)

Arzt, T.
Ueber die embryobildung von pseudomonokotylen. (Podophyllum emodi und Eranthis hiemalis). Beih. Bot. Centralbl. Abt. I, 50: 671-696. illus. My. 1933. no.3.

Feldhofen, E.
Beiträge zur physiologischen anatomie der nuptialen nektarien aus den reihen der dikotylen Beih. Bot. Centralbl. Abt.1,50: 459-634. illus., pl. ii-xxxi. My. 1933. no.3.

Reimers, W.
Ueber den einfluss von korngrösse und einzelkorngewicht auf die ersten entwicklungsstadien von winterweizen unter berücksichtigung der saugkraft. Beih. Bot. Centralbl. Abt.I. 50: 635-670. My.1933. no.3.

Beitr. Biol. Pflanz. Cohn (Breslau) (450C66)

Huneke, A.
Beiträge zur kenntnis der symbiose zwischen Azolla und Anabaena. Beitr. Biol. Pflanz.Cohn 20: 315-341. illus., pl. ii. 1933. no.3.

Günnewig, J.
Beiträge zur kenntnis und bedeutung des Loliumpilzes. Beitr. Biol. Pflanz. Cohn 20: 227-254. pl. i. 1933. no.3.

Beitr. Biol. Pflanz Cohn (cont.)

Richter, H.

Untersuchungen über die saponinbildung in der pflanze und ihre abhängigkeit von äusseren und innern faktoren. Beitr. Biol. Pflanz.Cohn 20: 255-314. 1933. no.3.

Rischkow, V. L. & Karatschewsky, I.K.

Chlorophyllmangel und enzymwirkung. I. Katalasewirkung bei panaschierung und mosaikkrankheit. Beitr. Biol. Pflanz.Cohn 20: 199-220. illus. 1933. no.3.

Ber. Deut. Chem. Ges. (Berlin) (384B45)

Asahina, Y. & Asano, J.

Untersuchungen über flechtenstoffe. XXIII. Ueber salazinsäure. II.-XXIV. Ueber norbarbatinsäure-methylester. Ber. Deut. Chem. Ges. 66: 893-897, 897-899. Je.7, 1933. no.6.

Ber. Ohara Inst. Landw. Forsch. (Kurashiki) (107.60hl)

Kondo, M. & Okamura, T.

Beziehung zwischen der wassertemperatur und dem wachstum der reispflanzen. III. Schädliche einfluss der wassertemperatur auf das wachstum der unter wasser stehenden reispflanzen. Ber. Ohara. Inst. Landw. Forsch. 5: 347-374. pl. xxv-xxxix. 1932. no.3.

Nisikado, Y. & Yamauti, K.

Contributions to the knowledge of the sap stains of wood in Japan. I. Studies on Ceratostomella ips Rumbold, the cause of a blue stain of pine trees in western Japan. Ber. Ohara Inst. Landw. Forsch. 5: 501-538. pl. xlvi-lvii. 1933. no.4.

Nisikado, Y.

A simple device for drawing and photomicrographing small living spores of fungi. Ber. Ohara Inst. Landw. Forsch. 5: 479-480. 1933. no.4.

Better Fruit (Portland, Ore.) (80B46)

Coe, F. M.

Chinese apricot and black orb cherry identified as old varieties. Better Fruit 27(12): 6. Je. 1933.

Chinese apricot probably "Montgamet" of the "large early" variety; Black orb cherry identical with Schmidt Bigarreau.

Bidr. Känned. Finl. Natur. o Folk (Helsingfors) (511H36B)
Häyrén, E.
Förorening och strandvegetation i Helsingfors hamnområde år 1932. Bidr. Känned. Finl. Natur. o Folk v.84, no.5. 38 p. illus.(maps) 1933.

Biochem. Zeitschr. (Berlin) (384B522)
Lundegårdh, H. & Burström, H.
Untersuchungen über die salzaufnahme der pflanzen. III. Quantitative beziehungen zwischen atmung und anionenaufnahme. Biochem. Zeitschr. 261: 235-251. illus. My.30, 1933. no.4/6.

Malkov, A.M.
Zur frage nach der rolle der phosphate bei der alkoholischen gärung und atmung der hefe. Biochem. Zeitschr. 262: 185-195. Je.12, 1933. no.1/3.

Biol. Zentralbl. (Leipzig). (442.8B523)
Kappert, H.
Erbliche polyembryonie bei Linum usitatissimum. Biol. Zentralbl. 53: 276-307. illus. 1933. no.5/6

Bol. Soc. Españ. Hist. Nat.(Madrid) (506M263B)
Martínez, J. B.
Una grave micosis del pino observada por primera vez en España. Bol. Soc. Españ. Hist. Nat. 33: 25-30. illus. F.20, 1933. no.1.
Brunchorstia destruens.

Unamuno, L.M.
Notas micológicas. IV, V. Bol. Soc. Españ. Hist. Nat. 32: 495-502. illus. D.31,1932. no.10; 33: 31-43. illus. F.20, 1933. no.1.
IV. Especies nuevas o poco conocidas de hongos microscópicos del Protectorado Español de Marruecos. V. Más especies de hongos microscópicos de nuestro Protectorado marroquí.

Boll. R. Staz. Patol. Veg. Roma (Firenze) (464.9R662)
Biraghi, A.
Sul presunto parassitismo dell' Urocystis occulta (Wallr.) Rabenh. sul frumento in Italia. Boll. R. Staz. Patol. Veg. Roma n.s., 13: 174-179. 1933. no.1.
Brief English summary: p.178.

Cocchi, F.
Ricerche sulla scabbia delle patate. Boll. R. Staz. Patol. Veg. Roma n.s.,13: 74-139. illus. 1933. no.1.
English summary: p.133-134.

Boll. R. Staz. Patol. Veg. Roma (cont.)

Gigante, R.

Nota preliminaire sulla necrosi del cuore dei tuberi di patata. Boll. R. Staz. Patol. Veg. Roma n.s.13: 155-159. illus. 1933. no.1.

English summary: p.159.

Goidanich, G.

Un deperimento dei susini. Boll. R. Staz. Patol. Veg.Roma n.s.,13: 160-173. illus. 1933. no.1.

English summary: p.172-173. No micro-organism found.

Petri, L.

Rassegna dei casi fitopatologici osservati nel 1932. Boll. R. Staz. Patol. Veg. Roma n.s., 13: 1-73. illus. 1933. no.1.

Ruggieri, G.

Marciume dei rametti di arancio amaro prodotto da Sclerotinia sp. Boll. R. Staz. Patol. Veg. Roma n.s.,13: 140-142. illus. 1933. no.1.

English summary: p.142.

Ruggieri, G.

Osservazioni sopra l'alterazione dei mandarini prodotto dalla Cytosporina citriperda Camp. Boll. R. Staz. Patol. Veg. Roma n.s.,13: 143-150. illus. 1933. no.1.

English summary. Considers Septoria glaucescens described by Trabut, identical with Cytosporina citriperda, name should be Cytosporina glaucescens.

Bot. Tidsskr. (København) (450B654)

Jessen, K.

Planterester fra den aeldre jernalder i Thy. (Pflanzenreste aus der ältern eisenzeit in Thy (Jylland).) Bot. Tidsskr. 42: 257-288. illus. 1933. no.3.

German summary: p.285-288.

Petersen, H.E.

Om behaaringen hos grønlandske og danske individer af Vaccinium ugliginosum L. Bot. Tidsskr. 42: 251-256. illus. 1933. no.3.

Raunkiaer, C.

De danske Crataegus-arter. Bot. Tidsskr. 42: 232-250. illus. 1933. no.3.

Bot. Tidsskr. (cont.)

Rosenvinge, L. K.

En hexering i Jaegersborg dryehave. (A fairy ring in Jaegersborg park). Bot. Tidsskr. 42: 217-231. illus. 1933. no.3.

English summary: p.230-231. Clitocybe gigantea.

Rosenvinge, L.K.

Theodor Holm. Bot. Tidsskr. 42: 292-294. port. 1933. no.3.

Winge, O.

Johs. Schmidt. Bot. Tidsskr. 42: 291-292. port. 1933. no.3.

Bull. For. Comm. Gt. Brit. (99.9G795)

Gt. Brit. Forestry commission.

Studies of Scottish moorlands in relation to tree growth. Bull. For. Comm. Gt. Brit. 15. 128 p. illus. (maps), plates. 1933.

Investigations of G.K. Fraser.

Vegetation of the western Scottish moorland region: p.20-35. Peat and its associated types of vegetation: p.41-47. Plant lists: p.106-117.

Bull. Public Mus. Milwaukee (500M64B)

Barrett, S. A., & Gifford, E. W.

Miwok material culture. Bull. Public Mus. Milwaukee 2: 117-376. illus. (incl.maps), pl.28-76. Mr.17, 1933. no.4.

The use of plants: p.140-178 (other notes on plants under various subjects, as basketry &c.)

Smith, H.H.

Ethnobotany of the forest Potawatomi Indians. Bull. Public Mus. Milwaukee 7: 1-230. pl.1-38, port. My.9, 1933. no.1.

In Memoriam (Huron H. Smith): p.[3-4]. port.

Bull. Soc. Chim. Biol. (Paris) (383So1)

Bridel, M. & Charaux, C.

Sur la composition de l'ecorce de bourdaine. I-II. Bull. Soc. Chim. Biol. 15: 642-647, 648-664. illus. My.1933. no.5.

I. L'ecorce de bourdaine contient un ferment soluble hydrolysant ses glucosides anthraquinoniques solubles dans l'eau. II. Le précipité obtenu par action diastasique en partant de l'écorce du commerce: émodol (émodine) et franguloside (franguline).

Bull. Soc. Chim. Biol. (cont.)
Hsieh Yu,
Contribution à l'étude chimique du Buddleia. II. Etude du buddléoside. Etude de produit mélanogène. Bull. Soc. Chim. Biol. 15: 616-622. My.1933. no.5.

Bull. U.S. Golf Assoc. Green Sect. (Washington,D.C.) (60.18Un3)
Dahl, A. S.
Effect of temperature and moisture on occurrence of brownpatch. Bull. U.S. Golf Assoc. Green Sect. 13: 53-61. My.1933. no.3.

Dahl, A.S.
Effect of watering putting greens on occurrence of brownpatch. Bull. U.S. Golf Assoc. Green Sect. 13: 62-66. My.1933. no.3.

Grau, F. V.
Control of crabgrass and other turf weeds with chemicals. Bull. U.S. Golf Assoc. Green Sect. 13: 47-52. My.1933. no.3.

Cactus & Succ. Journ. (Los Angeles) (451C11)
Backeberg, C.
Genus Binghamia. Cactus & Succ. Journ. 4: 387-388. Je.1933. no.12.

Brown, N. E.
Stapelia semota n.sp. Cactus & Succ. Journ. 4: 393-394. Je.1933. no.12.

West, J.
Better than Bolusii! Pleiospilos nelii Schw. Cactus & Succ. Journ. 4: 395-396. illus. Je.1933. no.12.

Wright, Y.
Borzicactus icosagonus. Cactus & Succ. Journ. 4: 394. illus. Je.1933. no.12.

Canad. Journ. Res. (Ottawa) (330.9C16C).
Broadfoot, W. C.
Studies in foot and root rot of wheat. II. Cultural relationships on solid media of certain micro-organisms in association with Ophiobolus graminis Sacc. Canad. Journ. Res. 8: 545-552. pl. Je.1933. no.6.

Manske, R.H.F.
The alkaloids of fumariaceous plants. VII. Dicentra eximia (Ker) Torr. Canad. Journ. Res. 8: 592-599. Je.1933. no.6.

China Journ. (Shanghai) (475C44)
Porterfield, W. M.
The periodicity of bamboo culm structures. China Journ. 18: 357-371. illus., 2 pl. on 1. Je. 1933. no.6.

Il Coltivatore (Casale Monferrato) (16C72)
Gabotto, L.
Urocystis occulta (Wallr) Rabenh. parassita del frumento in Italia. Il Coltivatore (Casale Monferrato) 79: 296-298. Je.15, 1933. no.11.

Compt. Rend. Acad. Agr. France (Paris) (14P215Bc)
Heim, R. & Lami, R.
La maladie bactérienne des Zostères: extension et causes favorisantes. Compt. Rend. Acad. Agr. France 19: 738-742. Je.14, 1933. no.20.
Essentially due to action of bacteria but certain other factors are concerned with lessening resistance of plant.

Compt. Rend. Acad. Sci. Paris (505P21)
Becker, W. A.
Application de la coloration vitale à l'étude de la cytodierèse. Compt. Rend. Acad. Sci. Paris 196: 2022-2023. Je.26, 1933. no.26.

Blaringhem, L.
L'habitus, ou individualité biologique des hybrides d'hémérocalles (Hemerocallis flava L. et H. fulva L.) Compt. Rend. Acad. Sci. Paris 196: 1937-1941. Je.26, 1933. no.26.

Blaringhem, L.
L'habitus, ou individualité biologique, des hybrides de crucifères (Cheiranthus, Erysimum, Mathiola, Lunaria). Compt. Rend. Acad. Sci. Paris 196: 1850-1853. Je.19, 1933. no.25.

Bugnon, P.
Sur l'origine de la monocotylie chez la ficaire. Compt. Rend. Acad. Sci. Paris 196: 1918-1919. Je.19, 1933. no.25.
Ranunculus ficaria.

Chevalier, A.
Michel Adanson, précurseur du lamarckisme. Compt. Rend. Acad. Sci. Paris. 196: 1919-1921. Je.19, 1933. no.25.

Compt. Rend. Acad. Sci. Paris (cont.)

Costantin, J.

Influence des hautes latitudes sur la culture du blé. Compt. Rend. Acad. Sci. Paris 196: 1847-1850. Je.19, 1933. no.25.

Davy de Virville, A.

Contribution à l'étude des zones de lichens sur le littoral du Portugal. Compt. Rend. Acad. Sci. Paris 196: 1921-1922. Je.19, 1933. no.25.

Emberger, L.

Exploration botanique du Sagho (Maroc). Compt. Rend. Acad. Sci. Paris 196: 2020-2021. Je.26, 1933. no.26.

Maume, L. & Bouat, A.

Zones de stabilité en function du pH des divers composés cupriques d'un bouillie bourguignonne. Compt. Rend. Acad. Sci. Paris 196: 2024-2026. Je.26, 1933. no.26.

Ranson, G.

Les algues excrètent dans les océans de la matière organique pigmentée soluble. Conséquences. Compt. Rend. Acad. Sci. Paris 196: 1927-1930. Je.19, 1933. no.25.

Experiments with Navicula ostrearia.

Compt. Rend. Soc. Biol. Paris (442.9P21)

Conard, A.

Sur la vitesse de croissance des membranes chez les Degagnya et les Spirogyra. Compt. Rend. Soc. Biol. Paris 113: 403-406. 1933. no.20.

Hykes, O. V.

De l'influence de quelques hormones sur la feuillaison et le développement des végétaux. Compt. Rend. Soc. Biol. Paris 113: 629-632. 1933. no.22.

Prunus cerasus, Populus alba, Aesculus hippocastanum, Salix fiminalis.

Ledoux, P.

A propose de la structure raméale chez Butyrospermum parkii (G. Don) Kotschy (Sapotaceae) du Bassin du Haut-nil. Compt. Rend. Soc. Biol. Paris 113: 415-417. 1933. no.20.

Compt. Rend. Soc. Biol. Paris (cont.)

Lenoir, M.

Phénomènes de nécrobiose observés dans le sac embryonnaire del'Allium ursinum. Compt. Rend. Soc. Biol. Paris 113: 613-614. 1933. no.22.

Nardi, R.

Structure et évolution des noyaux dans les propagules de Lunularia cruciata (L.) Dum. Compt. Rend. Soc. Biol. Paris 113: 380-381. 1933. no.20.

Negroni, P.

Onycomycose par Cephalosporium spinosus n.sp. Negroni, 1933. Compt. Rend.Soc. Biol. Paris 113: 478-480. 1933. no.21.

Compt. Rend. Soc. Phys. & Hist. Nat. Genève (508G28C)

Schopfer, W. H.

Recherches sur l'action du thallium sur un champignon. Compt. Rend. Soc. Phys. & Hist. Nat. Genève 50(1): 90-92. Ja./Mr.1933. no.1.

Phycomyces.

Schopfer, W. H.

Recherches sur l'hérédité d'un caractère physiologique chez un champignon. Compt. Rend. Soc. Phys. & Hist. Nat. Genève 50(1): 87-90. Ja./Mr.1933.

Phycomyces.

Contr. Arnold Arb. (451Ar6C)

White, C. T.

Ligneous plants collected for the Arnold arboretum in north Queensland by S.F. Kajewski in 1929. Contr. Arnold Arb. no.4. 111 p. illus., ix pl. 1933.

Contr. Biol. Lab. Sci. Soc. China Bot.Ser. (442.9Sci2B)

Cheng, W. C.

Two new ligneous plants from Chekiang. Contr. Biol. Lab. Sci. Soc. China Bot. Ser. 8: 72-76. illus. S.1932. no.1.

Carpinus putoensis, Lagerstroemia chekiangensis.

Teng, S. C.

Additional fungi from southwestern China. Contr. Biol. Lab. Sci. Soc. China Bot. Ser. 8: 1-4. S.1932. no.1.

Teng, S. C.

Fungi of Chekiang.I. Contr. Biol. Lab. Sci. Soc. China Bot. Ser. 8: 49-71. S.1932. no.1.

Contr. Biol. Lab. Sci. Soc. China Bot. Ser. (cont.)
Teng, S. C.
Fungi of Nanking. II. Contr. Biol. Lab. Sci. Soc. China Bot. Ser. 8: 5-48. S.1932. no.1.

Curt. Bot. Mag. (450C94)
Curt. Bot. Mag. v.156, pt.3. col.pl. 9315-9325. Jl.1, 1933.
Pamianthe peruviana, Cercis racemosa, Sphenogyne, versicolor, Kleinia radicans, Rhododendron pubescens Ajuga grandiflora, Tulipa tarda, Hoya kerrii, Rhododendron nilagiricum, Hydrangea strigosa, Physosiphon lindleyi.

Deutsche Forst-Zeit. (Neudamm) (99.8D48)
Hoffmann, E.
Untersuchungen über die wirksamen physikalischen eigenschaften der zur bekämpfung der kiefernschütte gebräuchlichen kupferkalk- und kupfersodabrühen. Deutsche Forst-Zeit. 48: 521-524. Je.23, 1933. no.25.

Deut. Zuckerind. (Berlin) (65.8D48)
Schimmel, B.
Die kropfkrankheit an zuckerrüben und ihre folgen. Deut. Zuckerind. 58: 529-530. illus. Je.24, 1933. no.25.
Bacterium beticolum, B. tumefaciens.

Difesa Piante Torino (464.9D56)
Bongini, V.
Una malattia del nespolo giapponese (Eriobotrya japonica). Difesa Piante Torino 28: 4-8. illus. F.1933. no.1.
Phoma eriobotryae n.sp.

Servazzi, O.
Le disinfestazione delle castagne d'esportazione con il metodo dell'immersione in acqua a 50° C.\ 45' in rapporto al problema delle muffe. I- Difesa Piante Torino 28: 19-29, 39-50. Ap., Je.1933. no.2,3.

Voglino, P.
Il mal bianco sul frumento. Difesa Piante Torino 28: 1-2. F.1933. no.1.

Voglino, P.
La ruggine dell'endivia. Difesa Piante Torino 28: 17-18. Ap.1933. no.2.

Difesa Piante Torino. (cont.)

Voglino, P.

Sopra un deperimento dell'Araucaria imbricata. Difesa Piante Torino 28: 37-39. illus. Je. 1933. no.3.

Didymella araucariae.

Voglino, P.

Sui tumori del melo. Difesa Piante Torino 28: 2-3, 18-19. F., Ap., 1933. no.1,2.

Bacterium tumefaciens.

Dokl. Akad. Nauk. SSSR (Compt. Rend. Acad. Sci. URSS) (511P444)

Kudriavtsev, V. I.

Nadsoniomyces sphenoideus nov.gen., nov.sp. Un nouveau champignon, voisin des levures, trouvé sur la surface des algues marines de l'Orient extrême (Note préliminaire). Dokl. Akad. Nauk SSSR (Compt. Rend. Acad. Sci. URSS) 1932: 292-302. illus. (incl.pl.) no.12.

Russian with French summary.

Empire Cotton Grow. Rev. (London) (72.8Em7)

Barritt, J. N.

The differentiation of the epidermal layer in cotton seed. I-II. Empire Cotton Grow. Rev. 9: 126-131. pl. Ap.1932; 10: 183-188. pl. Jl. 1933. no.2,3.

Ernährung Pflanze (Berlin) (57.8Er6)

Zehentner, M.

Wiesenunkräuter. I- Ernähr. Pflanze 29: 252-255. illus. Jl.1, 1933.

Explor. & Field-Work Smithson. Inst. (500Sm6Exp.)

Swallen, J. R.

Collecting grasses in Tennessee, Kentucky, and Yucatan. Explor. & Field-work Smithson. Inst. 1932: 37-40. illus. 1933. Publ. 3213.

Farming So. Africa (Pretoria) (24So842)

Henning, P.D.

The chief weeds of grain lands. III, Wild vetch (Vicia spp.) Farming So. Africa 8: 220. illus. Je.1933. no.87.

Plessis, S. J. du.

Summer-spray injury to fruit trees. II. Effects of lime-sulphur and lead arsenate. Farming So. Africa 8: 227-229. illus. Je. 1933. no.87.

Flor. Rev. (Chicago) (80W41)
Ratsek, J. C.
Injury to roses from mercuric chloride used in soil for pests. Flor. Rev. 72(1858): 11-12. illus. Jl.6,1933.

Gard. Chron. (London) (80G162)
Behaviour of garden plants. IX. Lilium martagon var. album. Gard. Chron. III, 93: 427. Je.24, 1933. no.2426.

Ward, F. K.
Mr. F. Kingdon Ward's eleventh expedition in Asia. XXXI. Lilies and rhododendrons. Gard. Chron. III, 93: 432-434. illus. Je.24, 1933. no.2426.

Gartenw. (Berlin) (80G196)
Böhmig, F.
Brombeerkrebs. Gartenw. 37: 292. illus. Je.16, 1933. no.24.
Coniothyrium tumefaciens.

Pape, H.
Falscher mehltau an mohn. Gartenw. 37: 289-290. illus. Je.16, 1933. no.24.

Gartenz. (Wien) (80W632)
Schwarz, H.
Die ursachen des epidemischen ulmensterbens und die möglichkeiten seiner bekämpfung. Gartenz. (Wien) 1933: 65-67. Je.1933.

Genetics (442.8G28)
Belling, J.
Crossing over and gene rearrangement in flowering plants. Genetics 18: 388-413. illus. Jl.1933. no.4.

Davis, B. M.
The genetics and cytology of a tetraploid from Oenothera franciscana Bartlett. Genetics 18: 293-323. illus. pl.1-3. Jl.1933. no.4.
Cytological studies on Oenothera. V.

East, E. M.
Genetic observations on the genus Linaria. Genetics 18: 324-328. Jl.1933. no.4.

Genetics (cont.)

Killough, D. T. & Horlacher, W. R.
The inheritance of virescent yellow and red plant colors in cotton. Genetics 18: 329-334. Jl. 1933. no.4.

Glasgow Nat. (472G46)

Elliot, G. F. S.
The blaeberry. (Vaccinium Myrtillus, L.) Glasgow Nat. 11: 50-63. 1933.

Indian For. (Dehra Dun) (99.8In2)

Parkinson, C.E. & Raizada, M.B.
Indian Wendlandias. Indian For. 59: 349-372. pl. xix-xx. Je.1933. no.6.

Indian Journ. Agr. Sci. (Calcutta) (22Ag831)

Afzal, M.
Development and shedding of leaves of cotton. Indian Journ. Agr. Sci. 3: 97-115. illus. F.1933. no.1.

Banerji, I.
The development of flower and pollen in jute. Indian Journ. Agr. Sci. 3: 116-126. illus., pl. xi-xii. F.1933. no. 1.

Dutt, N.L. & Subba Rao, K.S.
Observations on the cytology of the sugarcane. Indian Journ. Agr. Sci. 3: 37-56. pl.v-viii. F.1933. no.1.

Mathur, R. N.
Leaf-curl in Zinnia elegans at Dehra Dun. Indian Journ. Agr. Sci. 3: 89-96. pl. ix-x. F.1933. no.1;

Patel, S. J.
The F_1 generation of a hybrid between an American and an Asiatic cotton. Indian Journ. Agr. Sci. 3: 127-130. pl. xiii-xiv. F.1933. no.1.

Sahasrabuddhe, D.L. & Kale, N.P.
A biochemical study of the formation of the oil in niger seed (Guizotia abyssinica). Indian Journ. Agr. Sci. 3: 57-88. F.1933. no.1.

Shaw, F.J.F., Khan, A.R. & Singh, H.
Studies in Indian pulses 3. The types of Cajanus indicus Spreng. Indian Journ. Agr. Sci. 3: 1-36. illus., pl. i-iii (2 col.) F.1933. no.1.

Intern. Bull. Plant Prot. (464.8In8)

Bouriquet, G.
Réunion: Plant parasites newly recorded in the Island. Intern. Bull. Plant Prot. 7: 123. Je.1933. no.6.

Samuel, G.
South Australia: Plant disease records. Intern. Bull. Plant. Prot. 7: 121-122. Je.1933. no.6.

Izv. Akad. Nauk SSSR (Bull. Acad. Sci. URSS). (Leningrad) (511Sa2B)

Imshenetskogo, A.A.
O vliianii gormonov na drozhzhi, plesnevye gribki i bakterii (Influence of hormones on yeasts, molds and bacteria). Izv. Akad. Nauk SSSR (Bull. Acad. Sci. URSS) 1932: 1559-1578. illus., ii pl. (Rec'd Jl.3, 1933) no.10.
Russian with English summary.

Sukhorukov, K.T. & Borodulina, N.A.
K azotistomu obmenu alkaloidnykh rastenii (Sur le rôle des alcaloides dans le métabolisme azote des plantes). Izv. Akad. Nauk SSSR (Bull. Acad. Sci. URSS) 1932: 1517-1530. (Recd Jl.3, 1933)
Russian.

Izv. Bot. Sada Akad. Nauk. SSSR (Bull. Jard. Bot. Acad. Sci. URSS) (451Sa2B)

Albrecht, R.E., Gavrilova, L.G. & Liubimenko, V.N.
Vliianie sveta na razvitie plodov i semian tabaka (Influence de la lumière sur le développement des fruits et des graines du Nicotiana tabacum L.) Izv. Bot. Sada Akad. Nauk SSSR (Bull. Jard. Bot. Acad. Sci, URSS) 30: 305-325. 1932. no.3/4.
Russian with French summary.

Bortherus, V.F. & Savicz, L.I.
Spisok mkhov, sobrannykh A.A. Elenkinym v 1902 godu v Saianskikh gorakh i v Mongolii (Verzeichnis von A.A. Elenkin im jahre 1902 in den Sajanen und der Mongolei gesammelten moose). Izv. Bot. Sada Akad. Nauk SSSR (Bull. Jard. Bot. Acad. Sci. URSS) 30: 81-96. 1932. no.1/2.
Russian with German summary and Latin diagnosis of new species (Didymodon (Eudidymodon) perobtusus)

Danilov, A. N.
Ksilindein (Xylidein. Seine enstehungverhältnisse und eigenschaften). Izv. Bot. Sada Akad. Nauk SSSR (Bull. Jard. Bot. Acad. Sci. URSS) 30: 63-791. illus. 1932. no.1/2.
Russian with German summary.

Izv. Bot. Sada Akad. Nauk SSSR (Bull. Jard. Bot. Acad. Sci. URSS) (cont.)

Iljin, M.M.

Camphorosmeae tsentral'noi Azii (Camphorosmeae of central Asia). Izv. Bot. Sada Akad. Nauk SSSR (Bull. Jaed. Bot. Acad. Sci. URSS) 30: 361-367. 1932. no.3/4.

Russian with very brief English summary and Latin diagnosis of new sp. (Panderia turkestanica)

Iljin, M.M.

Kriticheskii obzor roda Amberboa Less. (A critical survey of the genus Amberboa Less.) Izv. Bot. Sada Akad. Nauk SSSR (Bull. Jard. Bot. Acad. Sci. URSS) 30: 101-116. 1932. no.1/2.

Russian with brief English summary and Latin diagnoses of new species and new combinations (A. suaveolens, A. glauca, comb. nov.; A. bucharica, A. turanica, A. nana, A. sosnovskyi n.spp.)

Iljin, M.M.

Sistematicheskie zametki v predelakh triby Cynareae (Systematic notes within the limits of the tribe Cynareae). Izv. Bot. Sada Akad. Nauk SSSR Bull. Jard. Bot. Acad. Sci. URSS) 30: 343-359. 1932. no 3/4.

Russian with Latin diagnoses and very brief English summary. Jurinea tapetodes, J. paczoskiana, Centaurea korshinskyi, Plagiobasis dshungaricus, Carthamnus gypsicola, Centaurea kopet-daghensis n.spp.

Klokov, M.B.

Kriticheskii obzor r. Thymus vo flore iugovostoka Evropeiskoi chasti RSFSR i zapadnogo Turkestana (Revue critique des Thymus habitants le s-o de la partie Européenne de l' URSS, ainsi que du Turkestan occidental). Izv. Bot. Sada Akad. Nauk SSSR (Bull. Jard. Bot. Acad. Sci. URSS) 30: 523-550. illus. 1932. no.3/4.

Russian with Latin diagnoses of new species.

Komarov, V.L.

Novye vidy rastenii dal'nego vostoka (Species novae plantarum orientis extremi URSS) Izv. Bot. Sada Akad. Nauk SSSR (Bull. Jard. Bot. Acad. Sci. URSS) 30: 189-223. illus. 1932. no.1/2.

Russian with Latin summary and Latin diagnoses of new species.

Kongisser, R.A.

Kmetodike izucheniia fitoplanktona (Zur methodik der phytoplankton-untersuchungen). Izv. Bot. Sada Akad. Nauk SSSR. (Bull. Jard. Bot. Acad. Sci. URSS) 30: 337-342. 1932. no.3/4.

Russian with Brief German summary.

Izv. Bot. Sada Akad. Nauk SSSR (Bull. Jard. Bot. Acad. Sci. URSS) (cont.)

Kongisser, R. A.

Ob assimiliatsii i nakoplenii organicheskogo veshchwstva morskim fitoplanktonom i fitobentosom materikovoĭ otmeli (Ueber die assimilation und anhaufung organischer substanzen durch phytoplankton und phytobenthos). Izv. Bot. Sada Akad. Nauk SSSR (Bull. Jard. Bot. Acad. Sci. URSS) 30: 139-142. 1932.no.1/2.

Russian with German summary.

Krechetovich, V. I.

Materialty k poznaniiu osok iz podroda Vignea (P.B.) Ness) (Contributiones ad cognitionem Caricum subgeneris Vignea (P.B.) Ness). Izv. Bot. Sada Akad. Nauk SSSR (Bull. Jard. Bot. Acad. Sci. URSS) 30: 117-138. illus. (incl.map) 1932. no.1/2.

Russian with Latin descriptions.

Carex transmarina, orthocaula, sajanensis, reptabunda, jucunda, setina, n.spp.

Krechetovich, V. I.

O nekotorykh sitnikakh iz tsikla Juncus pyramidatus Laharpe (De Juncis nonnullis e cyclo Junci pyramidati Laharpe adnotatio). Izv. Bot. Sada Akad. Nauk SSSR (Bull. Jard. Bot. Acad. Sci. URSS) 30: 97-99. 1932. no.1/2.

Russian with Latin diagnoses (J. webbianus, J. camptotropus, J. arianus)

Lilienstern, M. F.

Zatrudnennoe snabzhenie vodoĭ kak odin iz faktorov polovogo razmnozheniia u Marchantia polymorpha L. (L'humidité insuffisante comme une des causes de la reproduction sexuelle chez Marchantia polymorpha L.) Izv. Bot. Sada Akad. Nauk SSSR. (Bull. Jard. Bot. Acad. Sci. URSS) 30: 520-522. illus. 1932. no.3/4.

Russian with French summary.

Lipschitz, S. I.

Zametka o Tulipa krauseana Rgl. Izv. Bot. Sada Akad. Nauk SSSR (Bull. Jard. Bot. Acad. Sci. URSS) 30: 733-736. illus. 1932. no.5/6.

Russian with Latin diagnosis, also brief German summary.

Liubimenko, V. N. & Szeglova, C.A.

O fotoperiodicheskoi induktsii v protsesse razvitiia rasteniĭ (Sur l'induction photopériodique dans le processus de développement des plantes). Izv. Bot. Sada. Akad. Nauk SSSR (Bull. Jard. Bot. Acad. Sci. URSS) 30: 1-52. diagrs. 1932. no.1/2.

Russian with French summary.

Lozina-Lozinskaja, A. S.
Novye reveni srednei Azii (Rhei species novae ex Asia media). Izv. Bot. Sada Akad. Nauk SSSR (Bull. Jard. Bot. Acad. Sci. URSS) 30: 377-384. 1932.no.3/4.
Russian with Latin diagnoses (Eheum lucidum, macrocarpum, plicatum, cordatum, maximowiczi)

Monteverde, N.N., Belova-Lebedeva, T.A. & Ordovskaja, M.A.
Resul'taty raboty po uchastiiu v provedenii kollektivnogo opyta s perechnoi miatoi v 1930 g.v. Leningrade (Die resultate des anteils an den 1930 in Leningrad ausgeführten kollektivversuchen mit pfefferminze). Izv. Bot. Sada Akad. Nauk SSSR (Bull. Jard. Bot. Acad. Sci. URSS) 30: 327-332. illus. 1932. no.3/4.
Russian with German summary.

Novopokrovsky, I. V.
Rezult'aty geobotanicheskogo obsledovaniia raiona kanala Oktiabr'skoi revoliutsii i Prisulakskoi nizmennosti (Beiträge zur kenntnis der vegetation des niederungsgebietes von Dagestan (Die Sulak tiefebene und das küstengebiet südlich von Petrovsk bis Bujnak Izv. Bot. Sada Akad. Nauk SSSR (Bull. Jard. Bot. Acad. Sci. URSS) 30: 225-291. illus., map. 1932. no.1/2.
Russian with German summary.

Ovchinnikov, P.N.
Neskol'ko zamechanii ob Androsace septentrionalis L. i blizkikh k nei rasakh (Einige bemerkungen über Androsace septentrionalis L. und nahestehende rassen Izv. Bot. Sada Akad. Nauk SSSR (Bull. Jard. Bot. Acad. Sci. URSS) 30: 369-376. 1932. no.3/4.
Russian with German summary and Latin diagnosis. of n.sp. (A. fedtschenkoi)

Palibin, I. V.
Novye khvoinye rasteniia iz neogenovikh otlozhenii Urala i Kavkaza (Les conifères nouvelles du néogène de l'Oural et du Caucase). Izv. Bot. Sada Akad. Nauk SSSR (Bull. Jard. Bot. Acad. Sci. URSS) 30: 53-61. illus. 1932.no.1/2.
Russian with French summary.
Piceostrobus neustruevi, Pinus uralensis, P. vassoewiczi, P. paradoxa.

Izv. Bot. Sada Akad. Nauk SSSR (Bull. Jard. Bot. Acad. Sci. URSS) (cont.)

Pobedimova, E. G.

Proizvol'noe izmenenie dlitel'nosti tsiklov razvitiia pri elektricheskom svete (Arbitrary alteration of the duration of the cycle of development in artificial light). Izv. Bot. Sada Akad. Nauk SSSR (Bull. Jard. Bot. Acad. Sci. URSS) 30: 147-199. illus. 1932. no.1/2.

Russian with Emglish summary.

Savicz, L. I.

Flora torfianykh mkhov Kamchatki (Flore des sphaignes de Kamtschatka). Izv. Bot. Sada Akad. Nauk SSSR (Bull. Jard. Bot. Acad. Sci. URSS) 30: 415-480. vii pl. on 4. 1932. no.3/4.

Russian with French summary.

Schipczinsky, N. V.

V tsentre Kazakstana (Im zentrum von Kasakstan) Izv. Bot. Sada Akad. Nauk SSSR (Bull. Jard. Bot. Acad. Sci. URSS) 30: 385-401. 1932. no.3/4.

Russian with German summary.

Shchepkina, T. V.

Novyi sposob primeneniia kolopimetricheskogo pribora, izvestnogo pod nazvaniem "Die indikator-folien nach Wulff" dlia opredeleniia pH v razlichnykh organakh i traniakh rastenii (Ein neues verfahren bei der anwendung des unter dem namen "Die indikator-folien nach Wulff" bekannten appartes zur bestimmung von pH in verschiêdenen pflanzen-organen und geweben.) Izv. Bot. Sada Akad. Nauk SSSR (Bull. Jard. Bot. Acad. Sci. URSS) 30: 143-146. 1932, no.1/2.

Russian with German summary.

Zoz, I. G.

O Ceratophyllum tanaiticum Sapjegin. Izv. Bot. Sada Akad. Nauk SSSR (Bull. Jard. Bot. Acad. Sci. URSS) 30: 403-413. illus. (map) 1932. no.3/4.

Russian with English summary.

Journ. Amer. Chem. Soc. (381Am33J)

Williams, R.J., Lyman, C.M., Goodyear, G.H., Truesdail, J. H. & Holaday, D.

"Pantothenic acid", a growth determinant of universal biological occurrence. Journ. Amer. Chem. Soc. 55: 2912-2927. Jl. 1933. no.7.

Journ. Biochem. Tokyo (385J822)
Tanaka, K.
Ueber die sterine des reisembryos. I.
Journ. Biochem. Tokyo 17: 483-494. My. 1933. no.3.

Journ. Biol. Chem. (Baltimore) (381J84)
Sands, L. & Gary, W. Y.
The hemicelluloses of mesquite wood.
Journ. Biol. Chem. 101: 573-581. Jl. 1933. no.2.

Journ. Bot. (London) (450J82)
British Museum (Natural history) Herbarium.
Notes from the British museum herbarium. (cont.)
Journ. Bot. 71: 163-167. Je.1933. no.846.

Dandy, J. E. & Taylor, G.
The names of some South African plants.
Journ. Bot. 71: 153-158. Je.1933. no.846.

Rendle, A. B.
John Gerard Koenig. Journ. Bot. 71: 143-153. pl. 601. Je. 1933. no.846.

Thompson, A.
New vice-county records for Sphagna, mostly North country. Journ. Bot. 71: 158-159. Je. 1933. no.846.

Wilmott, A. J.
An addition to the Breckland flora: Veronica praecox All. Journ. Bot. 71: 159-160. Je.1933. no.846.

Journ. Dept. Agr. So. Australia (Adelaide) (23So84)
Johnston, W. C.
A review of some of the cruciferous weeds occurring in South Australia, with particular reference to the lower north. Journ. Dept. Agr. So. Australia 36: 1159-1173. illus. My.15, 1933. no.10.

Scott, R. C.
Rust in wheat crops in South Australia, season 1932-33. Journ. Dept. Agr. So. Australia 36: 1144-1147. My.15, 1933. no.10.

Journ. Econ. Entom. (Geneva, N.Y.) (421J822)

Beattie, R. K.
Diseases threatening ornamental and forest trees. Journ. Econ. Entom. 26: 621-624. Je.1933. no.3.
The Dutch elm diseases, larch canker, Woodgate rust, resinosis of white and red pine, fir needle blight.

Bell, R. H.
Status of potato wart in 1932. Journ. Econ. Entom. 26: 649-652. Je. 1933. no.3.

Carter, R.H. & Newcomer, E. J.
Arsenical residues found on apples in the Pacific northwest throughout a season of typical spraying with lead arsenate. Journ. Econ. Entom. 26: 572-580. Je.1933. no.3.

Fracker, S. B. & Sheals, R. A.
The protection of forest nurseries from white-pine blister-rust infection. Journ. Econ. Entom. 26: 641-648. Je.1933. no.3.

McCubbin, W. A.
The lima bean scab situation. Journ. Econ. Entom. 26: 625-630. Je. 1933. no.3.

Meier, F. C.
The stem rust control program. Journ. Econ. Entom. 26: 653-659. illus. (map) Je. 1933. no.3.

Roark, R. C.
The chemical relationship between certain insecticidal species of fabaceous plants. Journ. Econ. Entom. 26: 587-594. Je. 1933. no.3.

Turner, W. F.
Progress in phony peach disease eradication. Journ. Econ. Entom. 26: 659-667. illus. (incl. maps) Je.1933. no.3.

White, R. P.
The insects and diseases of Rhododendron and Azalea. Journ. Econ. Entom. 26: 631-640. pl.27-28. Je.1933. no.3.

Journ. Fac. Sci. Hokkaido Imp. Univ. Ser. V, Bot. (Sapporo) (451H68)

Yamada, Y.

Notes on some Japanese algae. V. Journ. Fac. Sci. Hokkaido Imp. Univ. Ser. V, Bot. 2: 277-285. pl. x-xiii. My.1933. no.3.

Journ. Hered. (Washington) (442.8Am3)

McKinney, H. H. & Sando, W. J.

Earliness and seasonal growth habit in wheat. Journ. Hered. 24:169-179. pl. My.1933. no.5.

Journ. Jamaica Agr. Soc. (Kingston) (8J823)

Bellamy, R. R.

Does the moon affect our crops? Journ. Jamaica Agr. Soc. 37: 291-292. Je.1933. no.6.

Still a matter of dispute in England; in the Islands, the question is answered affirmatively.

Journ. Linn. Soc. Zool. (London) (410.9L64)

Beadle, L. C.

Scientific results of the Cambridge expedition to the East African Lakes, 1930-1. 3-4. Journ. Linn. Soc. Zool. 38: 135-155, 157-211. illus. O.18, 1932. no.258.

3. Observations on the binomics of some East African swamps. 4. The waters of some East African lakes in relation to their fauna and flora.

Rich, F.

Scientific results of the Cambridge expedition to the East African lakes, 1930-1. 7. The algae. Journ. Linn. Soc. Zool. 38: 249-275. illus. Ap.26, 1933. no.259.

Journ. Pomol.& Hort. Sci. (London) (80J825)

Afify, A.

Pollen tube growth in diploid and polyploid fruits. Journ. Pomol. & Hort. Sci. 11: 113-119. illus. Je.1933. no.2.

Kidd, F. & West, C.

Gas storage of fruit. III. Lane's Prince Albert apples. Journ. Pomol. & Hort. Sci. 11: 149-170. illus. Je. 1933. no.2.

Marsh, R. W.

Observations on pear scab. Journ. Pomol. & Hort. Sci. 11: 101-112. illus. Je.1933. no.2.

Journ. Pomol. & Hort. Sci. (cont.)

Napper, M. E.
Observations on spore germination and specialization of parasitism in Cystopus candidus. Journ. Pomol. & Hort. Sci. 11: 81-100. illus. Je. 1933. no.2.

Wallace, T. & Proebsting, E. L.
The potassium status of soils and fruit plants in some cases of potassium deficiency. Journ. Pomol. & Hort. Sci. 11: 120-148. Je. 1933. no.2.

Leafl. Philipp. Bot. (460.25E16)

Christensen, C.
Report of Mount Pinatubo ferns collected in May, 1927 by A.D.E. Elmer. Leafl. Philipp. Bot. 9: 3139-3172. Ap.20, 1933.

Madroño (San Francisco) (450M26)

Jepson, W. L.
David Douglas in California. Madrono 2: 97-100. Jl.1933. no.12.

Wiggins, I. L.
Notes on the introduced flora of California. Madroña 2: 100-102. illus. Jl. 1933. no.12.

Medd. Stat. Centr. Frökontr. Sweden. (51.9Sw3)

Hellbo, E.
Om fluorescensen hos havre i ultraviolett ljus. (Ueber die fluoreszenz des hafers bei beleuchtung mit ultravioletten strahlen). Medd. Stat. Centr. Frökontr. Sweden 8: 52-56. 1933.
Preliminärt meddelande. German summary: p.56.

Missouri Bot. Gard. Bull. (St. Louis) (89M69B)

Cutak, L.
Ceropegias. Missouri Bot. Gard. Bull. 21: 95-96. pl.21. Je. 1933. no.6.

Pring, G. H.
Curious orchids in the garden collection. Missouri Bot. Gard. Bull. 21: 96-99. pl.20, 22-24. Je. 1933. no.6.

Mitt. Deut. Landw. Ges. (Berlin) 18D48M)

Köhler, E.
Die viruskrankheiten der landwirtschaftlichen kulturpflanzen. Mitt. Deut. Landw. Ges. 48: 572-573. illus. Jl.1, 1933. no.26.

Mitt. Deut. Landw. Ges. (cont.)

Lent, J.
Die kiefernnadelschütte und ihre bekämpfung. Mitt. Deut. Landw. Ges. 48: 548, Je.24, 1933. no.25.

Müller's Deut. Gärtn.-Zeit. (Erfurt) (80M73)

Freytag, H.
Licht-schrift in pflanzen. Die wirkung ultravioletter strahlen auf pflanzen in ihrer praktischen anwendung. Müller's Deut. Gärtn.-Zeit. 48: 205-206. illus. Je.21, 1933. no.18.

Kruepper, O.
Zum kapitel ulmensterben. Müller's Deut. Gärtn.-Zeit. 48: 208. Je.21, 1933. no.18.

Rothe, G.
Wild-tulipen für Alpinum. (concl.) Müller's Deut. Gärtn.-Zeit. 48: 211. Je.21, 1933. no.18.

Monatsh. Chem. (Vienna) (384M74)

Klima, J.
Zur chemie der flechten. II. Alectoria ochroleuca Ehrh. Monatsh. Chem. 62: 209-213. My.1933. no.4.

Lukacs, L. & Zellner, J.
Zur chemie der höheren pilze. XXII. Ueber Ganoderma lucidum Leiss, Hydnum imbricatum L. und Cantharellus clavatus Pers. Monatsh. Chem. 62: 214-219. My.1933. no.4.

Nachr. Schädlingsbekämpfung. (Leverkusen. b. Köln a.Rh.) (464.8N112)

Flachs, K.
Uspulun als bodendesinfektionsmittel. Nachr. Schädlingsbekämpfung 8: 53-61. illus. Je.1933. no.2.

Laubert, R.
Was weiss man über den tomatenstengelkrebs? Nachr. Schädlingsbekämpfung 8: 49-52. illus. Je. 1933. no.2.

Nat. Hist. (N.Y.) (500N483J)

Murphy, R. C.
August on Fire Island beach. Notes on the natural history of an almost primeval seashore. Nat. Hist. 33: 351-364. illus. Jl./Ag.1933. no.4.

Nature (London (472N21)
Beckley, V. A. & McNaughtan, F.
Distribution of nitrates in the soil and root development in coffee. Nature 131: 878. Je.17, 1933. no.3320.

Naturforsch. (Berlin) (410N219)
Hölzel, F.
Bilder von der deutschen tierfallenpflanze Aldrovandia vesiculosa. Naturforsch. 10: 137-140. illus. Jl. 1933. no.4.

Naturwissensch. (Berlin) (474N213)
Fitting, H.
Untersuchungen über den protoplasmaströmung auslösenden reizstoff der pflanzen. Naturwissensch. 21: 491-495. Je.30, 1933. no.26.

New Phytol. (London) (450N42)
Bennet-Clark, T. A.
The role or organic acids in plant metabolism. II. New Phytol. 32: 128-161. Je.21, 1933. no.2.

Harris, T.M.
A new member of the Caytoniales. New Phytol. 32: 97-114. illus., pl.iv-v. Je.21, 1933. no.2.
Caytonia thomasi n.sp.

Knudson, L.
Non-symbiotic development of seedlings of Calluna vulgaris. New Phytol. 32: 115-127. pl. vi-vii. Je.21, 1933. no.2.

Wight, W.
Radial growth of the xylem and the starch reserves of Pinus sylvestris: a preliminary survey. New Phytol. 32: 77-96. pl. ii-iii. Je.21, 1933. no.2.

K. Norske Vidensk. Selsk. Forh. (Trondheim)
Potier de la Varde, R.
Fissidens høegii P. de la V., species nova africana sect. Bryoidium. K. Norske Vidensk. Selsk. Forh. 5: 130-132. illus. 1933.

Schmidt-Nielsen, S. & Hammer, L.
Uber den hohen furfurolgehalt von Rhodymenia palmata. K. Norske Vidensk, Selsk, Forh. 5: 158-161. 1933.

K. Norske Vidensk. Selsk. Skrift. (502T41S)
Dixon, H. N.
African mosses collected by O. A. Høeg. K. Norske Vidensk. Selsk. Skrift. 1932, no.4. 27 p. illus. O.17, 1932.

Obst- u. Gemüseb. (Berlin) (80P7750)
Jermiess,
Bekämpfung der braunfleckenkrankheit der tomaten mit hilfe des schwefelvernebelungsapparates sulfurator. Obst- u. Gemüseb. 79: 89-90. Je.15, 1933. no.6.

Pamphl. So. Afr. Biol. Soc. (410.9So8P)
Goossens, A. P.
A brief note on the flora of the neighborhood of Heilbron, Orange Free State. Pamphl. So. Afr. Biol. Soc. 5: 30-35. 1932.

Leemann, A. C.
Are viruses living entities? Pamphl. So. Afr. Biol. Soc. 5: 39-47. 1932.

Phillips, E. P.
A conception of a modern herbarium. Pamphl. So. Afr. Biol. Soc. 5: 24-30. 1932.

Peking, Nat. Hist. Bull. (513P36)
Ma, R. M.
Seasonal variations of fungi in soils in the vicinity of Peiping. Peking Nat. Hist. Bull. 7: 293-297. Je.1933. no.4.

Pharm. Journ. (London) (396.8P49)
Moore, E. J.
The growth and nutrition of fungi. Pharm. Journ. 130(IV,76): 536-537. Je.17, 1933. no.3633.

Phil. Trans. Roy. Soc. (London) (501L84Pb)
Thomas, H. H.
On some pteridospermous plants from the Mesozoic rocks of South Africa. Phil. Trans. Roy. Soc. (London) Ser.B, 222: 193-265. illus. pl.23-24. My.31, 1933. no.B489.

Ohytopath. (464.8P56)
Abbott, E. V.
Physiologic forms of Collectotrichum falcatum Went. Phytopath. 23: 557-559. Je.1933. no.6.

Phytopath. (cont.)

Arthur, J. C.

Authority for the name Cronartium ribicola. Phytopath.23: 559-561. Je.1933. no.6.

Cronartium ribicola (Lasch) Dietr.

Goldsworthy, M. C. & Green, E. L.

Some promising fungicides. Phytopath. 23: 561-562. Je. 1933. no.6.

Improvement of Bordeaux mixture and use of very insoluble copper compounds (copper oxide, copper silicate and copper phosphate the most promising)

Jenkins, A. E.

A Spaceloma attacking Navel orange from Brazil. Phytopath. 23: 538-545. illus. Je. 1933. no.6.

Sphaceloma fawcettii var. viocosa.

Leach, J. G.

A destructive Fusarium wilt of muskmelons. Phytopath. 23:554-556. illus. Je.1933. no.6.

May be a physiological form of F. niveum or closely related species.

Mix, A. J.

Factors affecting the sporulation of Phyllosticta solitaria in artificial culture. Phytopath. 23: 503-524. illus. Je.1933. no.6.

Moore, E. J.

Growth relations in culture of the cotton-root-rot organism, Phymatotrichum omnivorum. Phytopath. 23: 525-537. Je. 1933. no.6.

Thomas, H. E.

The quince-rust disease caused by Gymnosporangium germinale. Phytopath. 23: 546-553. illus. Je.1933. no.6.

Zaymeyer, W. J. & Wade, B. L.

Mosaic diseases affecting different legumes in relation to beans and peas. Phytopath. 23: 562-564. Je.1933. no.6.

Phytopath. Zeitschr. (Berlin) (464.8P562)

Ahmet, H.

Untersuchungen über tracheomykosen. Phytopath. Zeitschr. 6: 49-101. illus. 1933. no.1.

Tomato & cotton.

Dodov, D. N.

Die epidemische entwicklung der weizenroste in Nordbulgarien im jahre 1932. Phytopath. Zeitschr. 6: 111-112. 1933. no.1.

Hopffgarten, E. H. v.

Beiträge zur kenntnis der stockfäule (Trametes radiciperda). Phytopath. Zeitschr. 6: 1-48. illus. 1933. no.1.

Schwarz, O.

Die zweigdürre des oelbaumes, verursacht durch Hysterographium oleae n.sp., eine bisher unbeachtet gebliebene pflanzenkrankheit des östlichen Mittelmeergebietes. Phytopath. Zeitschr. 6: 103-110. illus. 1933. no.1.

Proc. Biol. Soc. Washington. (500W272)

Maxon, W. R.

Fern miscellany. III. Proc. Biol. Soc. Washington 46: 139-145. Je.30, 1933.

Ormoloma gen.nov., O. imrayanum.

Proc. Leeds Phil. & Lit. Soc. Sci. Sect. (501L51)

Grainger, J. & Heafford, R. M.

Some effects of the ordinary tobacco mosaic upon the development anatomy of the host plant. Proc. Leeds Phil. & Lit. Soc. Sci. Sect. 2: 406-415. illus. Ap. 1933. no.9.

Proc. Nova Scotian Inst. Sci. (517H13)

MacFarlane, C.

Observations on the annual growth of Ascophyllum nodosum. Proc. Nova Scotian Inst. Sci. 18: 27-33. illus. Mr.13, 1933. no.2.

Proc. Soc. Exp. Biol. & Med. (N.Y.) (442.9So1)

Loehwing, W. F.

Physico-chemical aspects of sex in plants. Proc. Soc. Exp. Biol. & Med. 30: 1215-1220.

Proc. Tenn. State Hort. Soc. (81T25)

Drain, B. D.

Root rot of apple trees. Proc. Tenn. State Hort. Soc. 28(1932): 47-48. [1933]

Proc. Tenn. State Hort. Soc. (cont.)
Sauchelli, V.
Flotation sulfur in the control of fruit diseases. Proc. Tenn. State Hort. Soc. 28(1932): 23-38. [1933]

Rev. Path. Vég. & Entom. Agr. (Paris) (464.9Sol)
Charpentier, C.
Traitement par flambage du Nectria cinnabarina. Rev. Path. Veg. & Entom. Agr. 20: 42-43. F. 1933. no.2.

Ducomet, V. & Foex, E.
Quelques maladies des plantes cultivées en 1931-1932. Rev. Path. Vég. & Entom. Agr. 20: 55-66. F.1933. no.2.

Labrousse, F.
Notes de pathologie végétale. Rev. Path. Vég. & Entom. Agr. 20: 71-84. F.1933. no.2.

Perret, C.
Les maladies des plantes observées en 1932 dans le departement de la Loire et particulièrement dans le Haut-Forez. Rev. Path. Veg. & Entom. Agr. 20: 67-70. F.1933. no.2.

Viennot-Bourgin, G.
Notes sur quelques Urédinales et Ustilaginales observées en 1931-1932 dans le département de Seine-et-Oise (région sud). Rev. Path. Veg. & Entom. Agr. 20: 85-114. F.1933. no.2.

Rhodora (Boston) (450R34)
Eames, E. H.
A new Ludvigia from New England. Rhodora 35: 227-230. Jl.1933. no.415.
L. lacustris.

Fernald, M. L.
Recent discoveries in the Newfoundland flora. (cont.) Rhodora 35: 230-247. illus., pl.249-254. Jl.1933. no.415.

Fernald, M. L.
The slender-spiked Spartina pectinata. Rhodora 35: 258-260. Jl.1933. no.415.
S. pectinata suttiei (S. michauxiana suttiei)

Rhodora (cont.)

Harris, S. K.
Notes on the flora of Haverhill, Massachusetts.
Rhodora 35: 261-262. Jl.1933. no.415.

Harris, S. K.
An undescribed Mutisia from Ecuador.
Rhodora 35: 257-258. Jl.1933. no.415.
M. rimbachii

Knowlton, C. H.
The flora around Missisquoi Bay, Quebec.
Rhodora 35:247-252. Jl.1933. no.415.

Norton, A. H.
Rorippa amphibia in Androscoggin county, Maine.
Rhodora. 35: 262. Jl.1933. no.415.

Sanderson, R. D.
A suppressed plate in Eaton's ferns of North America. Rhodora 35: 260-261. Jl.1933. no.415.

Schuh, R. E.
Myriotrichia densa in New England. Rhodora 35: 256-257. Jl.1933. no.415.

Wadmond, S. C.
Notes from southeastern Wisconsin. II.
Rhodora 35: 252-256. Jl.1933. no.415.

Riv. Ital. Essen. e Profumi (Milano) (308.8R52)

Rovesti, P.
Indagini sui prodotti erboristici dei mercati abissini in Etiopia. Riv. Ital. Essen. e Profumi 15: 179-191. illus. Je.15, 1933. no.6.

Rosen-Zeit. (80R72)

Laubert, R.
Beachtenswertes über die schädlichste krankheit der rosen. Rosen-Zeit. 48: 61-62. 1932. no.3.
Actinonema rosae.

Science (470Sci2)

Allen, W. E.
"Red water" in La Jolla bay in 1933. Science 78: 12-16. Jl.7, 1933. no. 2010.
Large numbers of Prorocentrum found.

Science (cont.)

Hansen, H. N. & Smith, R. E.
A bacterial gall disease of the Douglas fir. Science 77: 628. Je.30, 1933. no.2009.
Similar to olive tree galls caused by Bacterium savastanoi.

Zwick, K. G.
Goiter prevention with food plants grown on iodized soil. Science 77: 627-628. Je.30, 1933. no.2009.

Science News Letter (470Sci24)
Big tree of Tule re-examined claimed as world's greatest. Science News Letter 24: 21. illus. Jl.8, 1933. no.639.
Cypress of Santa María del Tule near Oaxaca, Mexico, not less than 4,000 years old, according to Dr. H. von Schrenk.

Disease resistant banana promises to save millions. Science News Letter 24: 39. Jl.15, 1933. no.640.
"Prof. E. E. Cheesman believes he has created a fruit which is completely immune to Panama disease... Known as 1.C.2..."

Sélectionneur. (Versailles) (64.9Se4)

Alabouvette, L. & Titard, A.
Sur la possibilité d'utiliser dans la culture de la tomate des hybrides de première generation. Sélectionneur 2: 11-14. Mr.1933. no.1.

Diehl, R.
La sélection de céréales d'hiver résistantes au froid. Sélectionneur 2: 30-40. Mr.1933. no.1.
Wheat and oats.

Friedberg, L.
Action de l'acide phénique et de la potasse alcoolique sur les blés (réactions colorées). Sélectionneur 2: 20-29. Mr.1933. no.1.

Gaudineau, M.
Les blés et la carie. Sélectionneur 2: 15-19. Mr.1933. no.1.

So. African Gard. (Johannesburg) (80So87)
Plants new or noteworthy. South African plants cultivated in our readers' gardens. South African Gard. 23: 139-140. illus. Je.1933. no.6.
Stapelia wilmaniae & S. cylista, Luckhoff, Gladiolus triangulus, Lewis, Aloe framesii, L. Bolus, Aloe fosteri, Pilans, new species.

So. African Sugar Jour. (Durban) (65.8So8)
McLean, A. P. D.
Streak disease of sugar cane. So. African Sugar Jour. 17: 247-259. My.30, 1933. no.5.

Stain Techn. (442.8St1)
Blakeslee, A. F.
John Belling, October 7, 1866- Feb.16, 1933. Stain Techn. 8: 83-86. port. Jl.1933. no.3.

Sver. Utsädesför. Tidskr. (Svalof) (61.9Sv23)
Nilsson, F.
Analyskarslampans användning för åtskiljande av italienskt och engelskt rajgräs. (Lolium multiflorum Lam. och L. perenne L.) (The use of the analytical quartz mercury vapour lamp for distinguishing Italian and perennial ryegrass). Sver. Utsädesför. Tidskr. 43: 113-120. 1933. no.2.
English summary: p.119-120.

Techn. Bull. Macdonald Coll. (101M143)
Newton, D. E. & Nowosad, F. S.
The relation of flora to soil types in three districts of the eastern townships of Quebec. Techn. Bull. Macdonald Coll. no.11. 36 p. illus. Mr.1933.
Pasture studies I.

Tijdschr. Nederl. Heidemaatsch. (12N282)
Buisman, C.
De iepenziekte. Tijdschr. Nederl. Heidemaatsch. 45: 219-237. illus. Jl.1, 1933. no.7.

Trans. Highl. & Agr. Soc. Scotl. (10H536)
Clouston, D. & Hill, A.
The use of chlorates in weed control. Trans. Highl. & Agr. Soc. Scotl. V, 45: 128-135. 1933.

Trans. Indiana Hort. Soc. (81In2)
McCown, M.
Apple diseases, 1932. Trans. Indiana Hort. Soc. 72(1932): 49-57. [1933]

Trans. Indiana Hort. Soc. (cont.)
Samson, R. W.
Virus diseases of the peach. Trans. Indiana Hort. Soc. 72(1932): 46-49. [1933]

Trans. Kansas Acad. Sci. (500K13T)
Aller, A. R.
Vegetative keys to the Polemoniales of Kansas. Trans. Kansas Acad. Sci. 35: 196-208. 1932.
Order as used here includes Polemoniaceae, Convolvulaceae, Hydrophyllaceae, Boraginaceae and Solanaceae.

Bailey, L. L.
A survey of the filamentous green algae of Labette county, Kansas. Trans. Kansas Acad. Sci. 35: 190-195. illus. 1932.

Gates, F. C.
Kansas botanical notes, 1931. Trans. Kansas Acad. Sci. 35: 63-64. 1932.

Mannoni, S. A.
A survey of the green algae of Crawford county Kansas. Trans. Kansas Acad. Sci. 35: 179-189. illus. 1932.

Melchers, L. E.
Plant disease problems in Egypt. Trans. Kansas Acad. Sci. 35: 38-61. illus. 1932.

Weber, C.
The flora of Sheridan county, Kansas. Trans. Kansas Acad. Sci. 35: 161-178. 1932.

Trans. Kentucky State Hort. Soc. (81K41)
Balleau, W. D.
Apple-scab spore development and sprays. Trans. Kentucky State Hort. Soc. 1932: 73-79. [1933]

Trans. Wisc. Acad. (500W75)
Kahlenberg, L. & Traxler, R. N.
The osmotic permeability of living plant membranes. Trans. Wisc. Acad. 28: 275-290. 1933.

Preliminary reports on the flora of Wisconsin. XXI-XXIII. Trans. Wisc. Acad. 28: 171-186, 187-190, 191-196. illus. (maps) 1933.
XXI. Gernaiales, N.C. Fassett. XXII. Cornaceae, A. A. Drescher, XXIII. Urticaceae. D. F. Costello.

Trans. Wisc. Acad. (cont.)
Wadmond, S. C.
The Quercus ellipsoidalis-Quercus coccinea complex. Trans. Wisc. Acad. 28: 197-203. map. 1933.
Q. ellipsoidalis found in North Central states, Q. coccinia in Eastern states.

Tropenpfl. (Berlin) (26T75)
Grieder, A.
Der einheimische mais Zentralbrasiliens. Tropenpfl. 36:250-255. Je.1933. no.6.

Marcus, A.
Die straucherbse, Cajanus indicus. Tropenpfl. 36: 245-250. Jr.1933. no.6.

Trop. Agr. (26T751)
Parsons, T. H.
Food crops of the tropics. Trop. Agr. 80: 285-289. My.1933. no.5.
Breadfruit, jak fruit.

Trop. Agriculture West Indies (Trinidad) (26T754)
Briant, A. K.
Maladies affecting arrowroot in St. Vincent. Trop. Agriculture West Indies 10: 183-188. pl. v-vi. Jl.1933. no.7.
I. "Burning" disease of arrowroot (Caused by Rosellinia bunodes (?).). II. Cigar or long root. (Due to soil factors)

Wardlaw, C. W. & McGuire, L.P.
Cultivation and diseases of the banana in Brazil. I. Cultivation. Trop. Agriculture West Indies 10: 192-197. pl. vii-x. Jl.1933. no.7.

Trudy Zashch. Rast. III. Ser. Sredstva i Opud. Bor'by (Bull. Plant Prot. III. Ser. Contr. Meas. & Impl.) (Leiningrad) (423.92L54C)
Eidel'man, Z. M. & Bankul, E. A.
Fiziologicheskaia otsenka list'ev raznykh vozrastov u odnogo i togo zhe rasteniia na raznykh stadliiakh razvitiia (Physiological value of the leaves of different ages in the different stages of the development of a given plant). Trudy Zashch. Rast. III. Ser. Sredstva i Opud. Bor'by (Bull. Plant Prot. III. Ser. Contr. Meas. & Impl.) 3: 131-146. 1933.
Russian with English summary.

Trudy Zashch. Rast. III. Ser. Sredstva i Opud. Bor'by (Bull. Plant Prot. III. Ser. Contr. Meas. & Impl.) (cont.)

Eidel'man, Z.M.

Osnovnye rezul'taty opytov iskusstvennogo umen'sheniia listovoi poverkhnosti v raznykh geograficheskikh punktakh (Principal results of experiments on artificial reduction of leaf surface in the different geographical points). Trudy Zashch. Rast. III. Ser. Sredstva i Opud. Bor'by (Bull. Plant Prot. III. Ser. Contr. Meas. & Impl.) 3: 65-72. 1933.

Russian with English summary. Winter wheat and oats.

Eidel'man, Z. M. & Bankul, E. A.

Vliianie mekhanicheskogo umen'sheniia listovoi ploshchadi i raznykh uslovii pitaniia na nakoplenie sukhogo veshchestva u zlakov (Effect of mechanical reduction of leaf area and of different alimental conditions upon the accumulation of dry stuff in cereals). Trudy Zashch. Rast. III. Ser. Sredstva i Opud. Bor'by (Bull. Plant Prot. III. Ser. Contr. Meas. & Impl.) 3: 113-130. 1933.

Russian with English summary.

Eidel'man, Z. M.

Vliianie mekhanicheskogo umen'sheniia listovoi ploshchadi na rost i razvitie kil'turnykh rastenii s sviazi s metodikoi ucheta povrezhdebii ot boleznei (Effect of mechanical reduction of leaf area upon the growth and development of cultivated plants in connection with the methods of counting injuries from diseases). Trudy Zashch. Rast. III. Ser. Sredstva i Opud. Bor'by. (Bull. Plant Prot. III. Ser. Contr. Meas. & Impl.) 3: 15-43. 1933.

Russian with English summary. Wheat.

Liubimenko, V. N.

O koeffitsientakh vrednosti(On the coefficients of injury) Trudy Zashch. Rast. III. Ser. Sredstva i Opud. Bor'by (Bull. Plant Prot. III. Ser. Contr. Meas. & Impl.) 3: 3-14. 1933.

Russian.

Trudy Zashch. Rast. III. Ser. Sredstva i Opud. Bor'by (Bull. Plant Prot. III. Ser. Contr. Meas. & Impl.) (cont.)

Shevchenko, V.

Opyty po izucheniiu vliianiia iskusstvennogo umen'sheniia assimiliatsionnoi poverkhnosti list'ev u khlebov na obrazovanie urozhaia (An experimental study of the influence of the artificial decrease of the assimilating area of leaves on the amount of harvest). Trudy Zashch. Rast. III. Ser. Sredstva i Opud Bor'by (Bull. Plant Prot. III. Ser. Contr. Meas. & Impl.) 3: 44-60. 1933.

Russian.

Szeglova, O. A. & Chernysheva, E. V.

Vliianie mekhanicheskogo umen'sheniia listovoĭ ploshchadi na razvitie rasteniĭ, nakoplenie sukhoĭ massy i urozhaĭ zerna u iarovoĭ pshenitsy i iachmeniia (Stüdien uber den einfluss der mechanischen verminderung der blattflache auf die entwicklung der pflanze, auf den zuwachs der trockenen masse und auf die kornernte bei sommerweizen und gerste). Trudy Zashch. Rast. III. Ser. Sredstva i Opud. Bor'by (Bull. Plant Prot. III. Ser. Contr. Meas. & Impl.) 3: 73-111. illus. 1933.

Russian with German summary.

Telichko, S. F. & Siriachenko, E. A.

Vliianie mekhanicheskogo umen'sheniia ploshchida listovykh plastinok na razvitie iarovoi pshenitzy na shirote kieva (The influence of artificial decrease of the area of leaves on the development of summer wheat at the latitude of Kiev). Trudy Zashch. Rast. III. Ser. Sredstva i Opud. Bor'by (Bull. Plant Prot. III. Ser. Contr. Meas. & Impl.) 3: 61-63. 1933.

Russian.

U.S. Dept. Agr. Miscellaneous mimeographed publications.

Coville, F. V. & Enlow, C. R.

Crabgrass in lawns. Washington, D. C., Ap.1933. (1.9P6924Cr.)

From Div. of botany & Div. of forage crops and diseases.

Syntherisma sanguinale.

Veda prirodni (Prague) (410V51)

Pilat, A.

Gentiana doerfleri Ronn v poloniských Karpatech. Veda prirodni 14: 139-141. illus. My.1933. no.5.

Zeitschr. Pilzk. (Leipzig) (450Z352)

Höfer, K.

Der gestreifte teuerling (Cyathus striatus Huds.) Zeitschr. Pilzk. 12: 38-41. My. 1933. no.2.

Kärber, G.

Lorchel (Helvella esculenta)-vergiftung. Zeitschr. Pilzk. 12: 45-48. My.1933. no.2.

Kallenbach, F.

Zur beurteilung der schäden des waldhausschwamms (Merulius silvester Falck) in Häusern. Zeitschr. Pilzk. 12: 42-45. pl.6-7. My.1933. no.2.

Schäffer, J.

Bestimmungstabelle für die europäischen taublinge. Zeitschr. Pilzk. 12: 48-53, My.1933. no.2.

Schmid, G.

Eine unbekannte mykologische arbeit Persoons (1793), zugleich ein beitrag zue lebensgeschlichte des verfassers. Zeitschr. Pilzk. 12: 54-60. pl. 8 (port.) My. 1933. no.2.

Der Züchter (Berlin) (442.8Z8)

Kattermann, G. & Wenk, H.

Ein neuer phytophthorabiotyp auch in Bayern? Der Züchter 5:129-132. Je.1933. no.6.

Schmidt, M.

Ueber die inneren ursachen der widerstandsfähigkeit von pflanzen gegen parasitische pilze. Der Züchter 5: 132-141. illus. Je.1933. no.6.

Sammelreferat.

Exper. Stat. Publ.

Nebraska agricultural experiment station.

Plant diseases. In its Ann. Rep. 46(1931/32): 27-29. 1933. (100N27)

G.L. Peltier chairman.

Hume, A. N. & Franzke, C. J.

The germination of seed corn and its relation to the occurrence of molds during germination. South Dakota Agr. Exp. Stat. Bull. 275. 19 p. illus. F.1933. (100So.82)

New books.

Aichinger, E.
Vegetationskunde der Karawanken. Jena, G. Fischer, 1933 (Pflanzensoziologie... bd.2) (459.7Ai1)

Anderson, R. H.
The trees of New South Wales. Sydney, A. J. Kent, gov't printer, 1932. (460.33An2)

Canada. Dept. of agriculture - Experimental farms. branch - Div. of botany.
12th annual report of the Canadian plant disease survey 1932. Comp. by I. L. Connors. Ottawa, 1933. (464.9C16S)

Dewey, L. H.
Bibliografia selecta sobre plantas fibrosas. Washington, D. C., Union panamericana, 1933. (24.55D51)
Mimeographed.

Fotsch, K. A.
Die begonien... Stuttgart, E. Ulmer, 1933. (96.511F82)
Krankheiten und schädlinge... von H. Pape: p.149-186.

Guilliermond, A. & Plantefol, L.
Traité de cytologie végétale. Paris, Le François, 1933 (463.4G944)

Indian institute of science, Bangalore.
Investigations on the spike-disease of sandal. VII. Report of progress made during the half-year ending 31st March 1933. Bangalore, 1933. (464.07In23)

Janssens, P.E.A.
Le coton en Afrique tropicale. Bruxelles, R. Bausart, 1932 (72J26)
Maladies: p.83-112.

Leningrad. Akademii nauk - Botanicheskii͡ institut
[Programmy dli͡a geobotanicheskikh issledovanii [Program for geobotanical investigations] Leningrad, 1932 (452.9L54)
B.A.Keller & V.N. Sukachev editors.
Russian.

MacDougal, D.T. & Working, E. B.
The pneumatic system of plants, especially trees. Washington, D. C., Je.1933 (Carnegie Inst. Washington, Publ. 441) (463.32M14P)

New books. (cont.)

Mathieu, C.
Contribution à l'étude de quelques rapports entre l'eau, le sol et la plante. Etude d'un procédé d'alimentation souterraine des plantes en eau. Gap, Imprimerie L. Jean, 1932. (55M42)
Thèse - Univ. Clermont.

The Morris arboretum of the University of Pennsylvania. Philadelphia, 1933. (451.1P38)

Nilsson, F.
Studies in fertility and inbreeding in some herbage grasses. Lund, 1933. (60.1N59)
Reprinted as thesis, from Hereditas, v.19

Royal horticultural society.
Classified list of daffodil names ... Feb. 1933. London, 1933. (96.47R81)

Rüsdi, O.
F_2 - untersuchungen bei Antirrhinum majus. Jena, Universitäts-buchdruckerei G. Neuenhahn, 1932. (463.69R89)
Inaug. - diss. Landw. Hochsch. Berlin.

Stuhr, E.
Manual of Pacific Coast drug plants... Lancaster, Pa., 1933. (455.8St9)

Reprints from Journals not yet rec'd.

Clark, R. S.
Stem anatomy of tomato, Lycopersicum esculentum, L. In Contr. Bot. Lab. Univ. Penn. v.9(Reprinted from Proc. Penn. Acad. Sci. 6: 31-38) 1932. (451P38)

Wherry, E. T.
Ecological studies of serpentine-barren plants. I. Ash composition. In Contr. Bot. Lab. Univ. Penn. v.9 (Reprinted from Proc. Penn. Acad. Sci. 6: 31-38) 1932. (451P38)

Translations filed in Library of Bur. of Plant Industry.

Posthumus, O.
Over het rietveredelingswerk in Britisch-Indië (On the improvement of sugar cane in British India). Arch. Suikerind. Nederl.-Indië 1933(1): 77-97. 1933.

Correction

V.15, no.13, p.16
Under Journ. Counc. Sci. & Industr. Res. Austral. Murname, D. should be Murnane, D.

BOTANY

CURRENT LITERATURE

LIBRARY
RECEIVED
★ AUG 15 1933 ★
U. S. Department of Agriculture

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY.
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C.

Vol. 15, no. 15. July 17-29, 1933.

Abstr. Doctors' Diss. Ohio State Univ. (241.80h3)

Anderson, A.
The variability of plant characters in relation to the genetic constitution of sweet corn (Zea saccharata Sturt). Abstr. Doctors' Diss. Ohio State Univ. 10: 1-13. 1933.

Blaydes, G. W.
Water loss and stomatal investigations. Abstr. Doctors' Diss. Ohio State Univ. 8: 12-22. 1932.

Camp, W. H.
The floral anatomy of hemp (Cannabis sativa L.) Abstr. Doctors' Diss. Ohio State Univ. 9: 50-59. illus. 1932.

Li, L. C.
The freshwater Algae of China. Abstr. Doctors' Diss. Ohio State Univ. 9: 166-175. 1932.

McInteer, B. B.
A survey of the Algae of Kentucky. Abstr. Doctors' Diss. Ohio State Univ. 10: 216-222. 1933.

Agr. Gaz. N. S. W. (Sydney) (23N472)

Benton, R. J.
Prevent mould decay in oranges. Agr. Gaz. N. S. W. 44: 451-454. illus. Je.1, 1933. no.6.

Agric. Colon. (Firenze) (26Ag82)

Vivoli, G.
I datteri del Fazzàn (Primo contributo alla conoscenza dei datteri del Fezzàn). (cont.) Agr. Colon. (Firenze) 27: 268-280. illus. Je.1933. no.6.

Amer. Journ. Bot. (450Am36)

Curtis, O. F. & Scofield, H. T.

A comparison of osmotic concentrations of supplying and receiving tissues and its bearing on the Münch hypothesis of the translocation mechanism. Amer. Journ. Bot. 20: 502-512. Jl. 1933. no.7.

Freeland, R. O.

Some morphological and physico-chemical changes accompanying proliferation of Bryophyllum leaves. Amer. Journ. Bot. 20: 467-480. pl. 31-32. Jl. 1933. no.7.

Kramer, P. J.

The intake of water through dead root systems and its relation to the problem of absorption by transpiring plants. Amer. Journ. Bot. 20: 481-492. Jl. 1933. no.7.

Wentzel, S. F.

Meiosis in Digitalis ferruginea with special reference to the anachromatic and catachromatic processes. Amer. Journ. Bot. 20: 493-501. illus. Jl. 1933. no.7.

Amer. Midl. Nat. (Notre Dame, Ind.) (410M58)

Strain, R. W.

A study of vein endings in leaves. Amer. Midl. Nat. 14: 367-375. illus. Jl. 1933. no.4.

Amer. Nat. (470Am36)

Anderson, E. & Abbe, L. B.

A comparative anatomical study of a mutant Aquilegia. Amer. Nat. 67: 380-384. illus. Jl./Ag. 1933. no.711.

Gates, R. R.

The general bearing of recent research in Oenothera. Amer. Nat. 67: 352-364. Jl./Ag. 1933. no.711.

Amer. Orchid Soc. Bull. (80Am329)

Wherry, E. T.

Native orchids. Our eastern orchids and their cultivation. 2. The yellow and white Cyprideiums. Amer. Orchid Soc. Bull. 2:14-15. Je.1933. no.1.

Angew. Bot. (Berlin) (450An4)

Bockmann, H.

Die schwärzepilze des getreides unter besonderer berücksichtigung ihrer pathogenität und des vorkommens von rassen innerhalb der gattungen Cladosporium Link und Alternaria Nees. I. Angew. Bot. 15: 308-321. illus. My./Je. 1933. no.3.

Braun, K.

Tephrosia vogelii Hook f. als fischgiftpflanze im früheren Deutsch-Ostafrika. Angew. Bot. 15: 253-261. illus. My./Je. 1933. no.3.

Gabajew, S.

Systematische untersuchungen an gurkenarten und varietäten. Angew. Bot. 15: 290-307. My./Je. 1933. no.3.

Stapp, C.

Verfahren zur prüfung von bohnen (Phaseolus vulgaris) auf resistenz gegen Pseudomonas medicaginis var. phaseolicola Burkh., den erreger der fettfleckenkrankheit. Angew. Bot. 15: 241-252. illus. My./Je. 1933. no.3.

Ann. Tecn. Agr. (Roma) (16An73)

Pirovano, A.

Sulla eredità in Vitis vinifera. Ann. Tecn. Agr. (Roma) 6: 414-436. Jl. 1933. no.4.

Ann. Rep. Cacao Res. Trinidad (68.39C11)

Pound, F. J.

The genetic constitution of the cacao crop. (concl.) Ann. Rep. Cacao Res. Trinidad 2(1932): 9-25. iv pl. (3 col.) 1933.

Pound, F. J.

Studies of fruitfulness in cacao. III. Factors affecting fruit setting. Ann. Rep. Cacao Res. Trinidad 2(1932): 29-36. 1933.

Pyke, E. E.

The physiology of cacao. I. General observations of growth, flowering and fruiting. Ann. Rep. Cacao Res. Trinidad 2(1932): 37-40. plates. 1933.

Ann. Rep. Dept. Agr. Assam (22As7Rp)

Assam. Dept. of agriculture

Mycology. In its Ann. Rep. 1931/32: 51-52. 1933.

Bergculture (Batavia, Java) (22.5B45)

Beumée, J.

Dr. Bernard als botanicus. Bergcultures 7: 663-664. port. Je.17, 1933. no.24.

Other articles concerning different phases of the work of Dr. Charles J. Bernard are contained in this number.

Blankert, W. L.

De vegetatieve vermeerdering van zaadlooze of zaadarme lamtoro (Leucaena glauca). Bergcultures 7: 675-679. Je.17, 1933. no.24.

Huitema, W. K.

De zaadlooze lamtoro. Bergcultures 7: 680-681. Je.17, 1933. no.24.

Ber. Deut. Bot. Ges. (Berlin) (451D48)

Döring, H.

Ueber zweikernige epidermiszellen bei Allium cepa. Ber. Deut. Bot. Ges. 51: 166-167. illus. Je.29, 1933. no.5.

Gessner, F.

Die nährostoffaufnahme der submersen. Ber. Deut. Bot. Ges. 51: 216-228. illus. Je.29, 1933. no.5.

Vorläufige mitteilung.

Knapp, E.

Ueber Geosiphon pyriforme Fe.Wettst., eine intrazellulare pilz-algen-symbiose. Ber. Deut. Bot. Ges. 51: 210-216. pl.iv. Je.29, 1933. no.5.

Vorläufige mitteilung.

Schade, A.

Flechtensystematik und tierfrass. Ber. Deut. Bot. Ges. 51: 168-192. Je.29, 1933. no.5.

Strugger, S.

Ueber das wachstum dekapitierter keimpflanzen. Ber. Deut. Bot. Ges. 51: 193-209. illus. Je. 29, 1933. no. 5.

Ber. Deut. Chem. Ges. (Berlin) (384B45)

Asahina, Y. and others

Untersuchungen über flechtenstoffe. XXV-XXVII. Ber. Deut. Chem. Ges. 6: 943-947, 1023-1030, 1031. Jl.5, 1933. no.7.

XXV. Ueber stictinsäure. XXVI. Ueber psoromsäure. XXVII. Ueberführung der salazinsäure in ein ceträrsäure-derivat.

Biochem. Zeitschr. (Berlin) (384B522)

Falck, R., Schoeller, W. & Michael, S.

Studien über die säurebildung durch fadenpilze. Biochem. Zeitschr. 262: 280-293. Je.27, 1933. no.4/6.

Müller, D.

Alkaholdehydrase aus hefe losgelöst. Biochem. Zeitschr. 262: 239-247. Je.27, 1933. no.4/6.

Biol. Rev. & Biol. Proc. Cambridge Phil. Soc. (442.9C14)

Priestley, J. H. & Scott, L. I.

Phyllotaxis in the dicotyledon from the standpoint of developmental anatomy. Biol. Rev. & Biol. Proc. Cambridge Phil. Soc. 8: 241-268. illus. Jl.1933. no.3.

Blumen u. Pflanzenb. (Berlin) (80B623)

Kolbe, R. W.

Allgemeines über die anzucht der orchideen aus samen. Blumen u. Pflanzenb. 48: 64-65. illus. My.1, 1933. no.5.

Boll. Sez. Ital. Soc. Intern. Microbiol. (Milano) (448.3So1)

Verona, O.

Une observation sur l'action pathogène du Bact. tumefaciens Smith et Townsend. Boll. Sez. Ital. Soc. Intern. Microbiol. 5: 139-140. My.1933. no.5.

On Vicia faba.

Brooklyn Bot. Gard. Rec. (451B79R)

Gager, C. S.

Plant forms in design. Brooklyn Bot. Gard. Rec. 22: 172-177. illus. Jl.1933. no.3.

Reprinted from Bull. Metrop. Mus. Art. v.28.

Merrill, E. D.

Little-used sources of plant forms for design. Brooklyn Bot. Gard. Rec. 22: 168-171. illus. Jl.1933. no.3.

Bull. Agr. & Hort. Belg. (13B41)
Camps, J.
La culture des oignons a fleurs en Belgique. Bull. Agr. & Hort. Belg. 1933: 66-95. 1933.
French and Flemish.
Maladies et insectes qui attaquent les tulipes: p.90-93. Sclerotium perniciosum n.sp.

Journée, C.
Description des principales affections parasitaires du tabac, observées au cours de l'année 1932, dans la vallée de la Semois et moyens préventifs de lutte. Bull. Agr. & Hort. Belg. 1933: 96-119. 12 pl. on 6. 1933.
French and Flemish.

Bull. Amer. Iris Soc. (81Am39)
McDade, C.
Iris that bloom in the fall. Bull. Amer. Iris Soc. 48: 37-42. Jl. 1933.

Nicholls, J. C.
Iris chromosomes. Bull. Amer. Iris Soc. 47: 79-83. Ap. 1933; 48: 57-60. Jl.1933.

Peckham, E. A. S.
Williamson irises. Bull. Amer. Iris Soc. 48: 8-14. Jl.1933.
Raised and introduced by E.B. Williamson.

Bull. Cl. Sci. Acad. Roy. Belg. (Bruxelles) (504B83B)
Jamotte, A.
Découverte de la flore à Glossopteris dans la cuvette charbonnière de la Luena (Katanga). Bull. Cl. Sci. Acad. Roy. Belg. V, 19: 561-564. 1933.

Bull. Écon. Indochine (22.5In2)
Du Pasquier, R.
Principales maladies parasitaires du théier et du caféier en Extrême-Orient. B. Parasite végétaux. Bull. Écon. Indochine 36: 1-144. illus., col.pl. xx-xxiv. Ja./Ap. 1933.
Includes also control measures, generalities &c.

Poilane,
Une légumineuse fourragère a propager, le chon trau (Bauhinia). Bull. Écon. Indochine 36: 176-178. Ja.-Ap. 1933.

Bull. Misc. Inform. Kew (London) (89K51B)
Brooks, R. L.
Notes on the Trinidad and Tobago species of Lauraceae. Bull. Misc. Inform. Kew. 1933: 209-228. illus. 1933. no.5.
Ocotea arenaensis n.sp.

Foggie, A.
Some notes on the Troodos pine of Cyprus. Bull. Misc. Inform. Kew 1933: 228-231. 1933. no.5.
Generally known as P. laricio pallasiana, should be P.nigra var. caramanica.

Prain, D. & Burkill, I.H.
Dioscoreae novae asiaticae. (cont.) Bull. Misc. Inform. Kew 1933: 240-246. 1933. no.5.

Summerhayes, V. S.
African orchids. V. Bull. Misc. Inform. Kew 1933: 246-254. 1933. no.5.

Tedd, H. G. & Turrill, W. B.
On the flora of the Nearer East. XIV. The elms of western Thrace (mostly included within the species Ulmus nitens). Bull. Misc. Inform. Kew. 1933: 232-240. 1933. no.5.

Bull. Sci. Pharm. (Paris) (39618B872)
Leclerc, H.
Les vieilles panacées: le mouron rouge (Anagallis arvensis L.). Bull. Sci. Pharm. 40: 364-368. Je. 1933. no.6.

Mascré, M. & Bousset, M.
Action des vapeurs de chloroforme, d'éther et de benzène sur les constituants glucidiques de la feuille d'Aucuba japonica Thunb. Bull. Sci. Pharm. 40: 257-271. My. 1933. no.5.

Bull. Soc. Bot. Genève (451G283B)
Baehni, C.
La septoriose (rouille) du céleri et le Septoria petroselini Desm. var. apii, Br. et Cav. Bull. Soc. Bot. Genève II,24: 1-57. illus. 1933.

Beauverd, G.
Les Alpes de Val d'Isère et les particularités de leur flore. Bull. Soc. Bot. Genève II, 24: 223-239. 1933.

Bull. Soc. Bot. Bèneve (cont.)

Beauverd, G.

Un nouveau saxifrage de la flore de Provence. Bull. Soc. Bot. Genève II, 24: 269-270. 1933.

Saxifraga lingulata subsp. nov. gallo-provincialis.

Friesen, C. v.

Les caractères essentiels de la famille des Sebestenaceae et revision du genre Varronia. Bull. Soc. Bot. Genève II, 24: 117-201. illus. 1933.

Sebestenaceae replacing Cordiaceae. Varroniopsis, Montjolya, Ulmarroni new gen., Varronia bridgesi n.sp.

Hoffmann-Grobéty,

Une nouvelle centaurée du Dodécanèse. Bull. Soc. Bot. Genève II, 24: 220-222. illus. 1933.

Centaurea chorionensis.

Landis, J.

Etude sur la nutrition azotée des protoascomycètes en culture aérée. Bull. Soc. Bot. Genève II, 24: 58-103. 1933.

Minod, M.

Sur deux cas d'androgynie chez les liliacées. Bull. Soc. Bot. Genève III 24: 104-116. illus. 1933.

Veratrum nigrum, Lilium martagon.

Reed, H. S.

La nature de la croissance. Bull. Soc. Bot. Genève II, 24: 202-219. 1933.

Bult. Sci. Fak. Terkult. Kjuŝu Imp. Univ. (J107.6K995B)

Takiguti, Y.

On the Davis' modified catalase-method prophesying the germinating power of seeds. Bult. Sci. Fak. Terk. Kjuŝu Imp.Univ. Fakuoka 5: 103-116. My. 1933. no.1.

Japanese with English summary.

Cactus (Mont. St. Amand, Belg.) (450C112)

Van de Weghe, G.

Notes sur la classification des cactées (cont.) Cactus (Mont St. Amand, Belg.) 3(3): 7-8. Je. 1933.

Cactus (Mont. St. Amand, Belg.) (cont.)
Van de Weghe, G.
Pierres vivantes. Cactus (Mont St. Amand, Belg.) 3(3): 8-10. illus. Je.1933.
Lithops.

La Cellule (Lierre,Belgium) (442.8C33)
Martens, P. & Vandendries, R.
Le cycle conidien haploide et diploide chez Pholiota aurivella. La Cellule 41: 335-388. illus., iii pl. 1933. no.4.

Nevins, B. I.
Cytological studies on the antheridia of Sphaerocarpos donnellii. La Cellule 41: 291-334. iii pl. 1933. no.4.

Citrus Indust. (Tampa, Fla.) (80C49)
Lord, E. L.
Citrus dieback. Citrus Indust. 14(7):6-7,26. Jl. 1933.

Citrus Leaves (Redlands,Calif.)
Rohrbaugh, P. W.
Petroleum oil sprays and their accumulation in citrus trees in California. Citrus Leaves 13(7): 6-7. illus. Jl.1933.

Compt. Rend. Acad. Sci. Paris (505P21)
Chadefaud, M.
Les colorations vitales chez les algues. Compt. Rend. Acad. Sci. Paris 197: 90-92. Jl.3, 1933. no.1.

Gautheret, R.
Cultures de méristèmes de racines de Zea mays. Compt. Rend. Acad. Sci. Paris 197: 85-87. Jl.3, 1933. no.1.

Lami, R.
Sur la végétation des algues marines de la région sud des côtes du Portugal. Compt. Rend. Acad. Sci. Paris 197: 83-85. Jl.3, 1933. no.1.

Lefévre,
Sur la structure de la théque chez les Péridinites. Compt. Rend. Acad. Sci. Paris 197: 81-83. Jl.3, 1933. no.1.

Compt. Rend. Acad. Sci. Paris (cont.)

Meunier, A.

Sur la présence du maltose dans les tubercules frais du Lathyrus tuberosus L. Compt. Rend. Acad. Sci. Paris 197: 98-100. Jl.3, 1933. no.1.

Petter, H. F. M.

La réaction nucléale de Feulgen chez quelques végétaux inférieurs. Compt. Rend. Acad. Sci. Paris 197: 88-90. Jl.3, 1933. no.1.

Compt. Rend. Soc. Biol. Paris (442.9P21)

Aggéry, B. Mlle.

Sur un Homostegia parasite nouveau du polypode. Compt. Rend. Soc. Biol. Paris 113: 651-653. 1933. no.23.

H. polypodii n.sp.

Frémont, T.

Nouvelle preuve de la présence d'un anticorps lysant chez les végétaux par une méthode physiologique. Compt. Rend. Soc. Biol. Paris 113: 777-778. 1933. no.23.

Frémont, T.

Recherches d'anticorps chez les végétaux: présence d'une sensibilisatrice. Compt. Rend. Soc. Biol. Paris 113: 775-776. 1933. no.23.

Ledoux, P.

Sur des caractères histosystématologiques de Coffea kivuensis Lebrun. Compt. Rend. Soc. Biol. Paris 113: 924-926. 1933. no.24.

Skalinska, M.

Etudes sur la cytologie et la fertilité d'un hybride triploïde d'Aquilegia. Compt. Rend. Soc. Biol. Paris 113: 953-955. 1933. no.24.

Contr. Bot. Cluj, Roumanie (451C622)

Nemeth, F.

Contribution à l'étude de Geranium palustre L. Une forme nouvelle. Contr. Bot. Cluj, Roumaine v.2, f.2, 5 p. illus. 1933.

G. palustre f. obtusatum.

Corse Agr. (14C81)

Un parasite du mildios. Corse Agr. 23: 130-132. Jl.1933. no.7.

"... appartient au genre Tricothécium".

Ecol. Monogr. (Durham) (410Ec72)
Cox, C. F.
Alpine plant succession on James Peak, Colorado. Ecol. Monogr. 3: 301-372. illus. Jl. 1933. no.3.

Empire Mark. Bd. [Publ.] (London) (280.39G792P)
Barker, S. G.
Sisal. A note on the attributes of the fibre and their industrial significance. Empire Mark. Bd. [Publ.]no.64. 74 p. 8 pl. My. 1933.

Ernähr. Pflanze. (Berlin) (57.8Er6)
Kratschmer, L.
Beobachtungen und erfahrungen über pathologische kalimangelerscheinungen. Ernähr.Pflanze 29: 264-265. illus. Jl.15, 1933. no.14.

Flor. Exch. (N.Y.) (80F666)
Cook, R.
Plant patents. The situation, its dangers and its possibilities. Flor. Exch. 81(28): 9,17. Jl.15, 1933.

Strong, L. A.
[Plant quarantine act]. Flor. Exch. 81(29): 9. Jl.22, 1933.
Extracts from Dr. Strong's address before A.A.N. convention in which he considers possible liberalization of administration of the act.

Flor. Rev. (Chicago) (80W41)
Craig, W. N.
Increasing public interest in lilies result of new varieties. Flor. Rev. 72(1859): 9-10. illus. Jl.13, 1933.

Pring, G. H.
Tropical water lilies of unusual interest produced by hybridizers. Flor. Rev. 72(1859): 11-13. illus. Jl.13, 1933.

Fruit World Australasia (Melbourne) (80F948)
Brown rot of stone fruits. Control measures discussed. Fruit World Australasia (Melbourne) 34: 335-336. Je.1, 1933. no.6.

Gard. Chron. (London) (80G162)

Brown, N. E.
Ianthe pusilla, N.E.Br. Gard. Chron. III, 94: 24-25. Jl.8, 1933. no.2428.

Brown, N. E.
Pauridia minuta, N.E. Br. Gard. Chron. III, 94: 24. Jl.8, 1933. no.2428.

Collins, E. J.
Crocus versicolor. Gard. Chron. III, 94: 29. Jl.8, 1933. no.2428.

Friend, H.
Herbs and herbalists. VIII. Some Indian herb-lore. Gard. Chron. III, 94: 27-28. illus. Jl.8, 1933. no.2428.

Moore, P.
Exochorda Irish Pearl. Gard. Chron. III, 94: 24. illus. Jl.8, 1933. no.2428.
E. wilsonii x E. racemosa.

Todd, E. E.
Erica umbellata. Gard. Chron. III, 94: 6. Jl.1, 1933. no.2427.

Ward, F. K.
Mr. F. Kingdon Ward's eleventh expedition in Asia. XXXII. Colour and Alpine plants. Gard. Chron. III, 94: 26-27. illus. Jl.8, 1933. no.2428.

Gartenbauwiss. (Berlin) (80G195)

Branscheidt, P.
Weitere beiträge zur frage der fertilitätsverhältnisse bei kern- und steinobstsorten. Gartenbauwiss. 7: 546-566. Je.20, 1933. no.5.

Niethammer, A.
Die mikroflora verschiedener gemüsepflanzen, unter besonderer berücksichtigung der samen und früchte. Gartenbauwiss. 7: 567-589. illus. Je.20, 1933. no.5.

Richter, O.
Licht-schrift in blumen. Eine verwendungsmöglichkeit der künstlichen höhensonne im gärtnereibetriebe. Gartenbauwiss. 7: 528-545. illus. Je.20, 1933. no.5.

Gartenw. (Berlin) (80G196)

Riefenstahl, S.

Wachsende verluste durch die hartfäulekrankheit der gladiolen. Gartenw. 37: 314. Je.30, 1933. no.26.

Septoria gladioli.

Sommer, H.

Die immer noch rätselhafte kräuselkrankheit der pelargonien. Gartenw. 37: 312. Je.30, 1933. no.26.

Hoppe-Seyl. Zeitschr. Phys. Chem. (Berlin) (384Z38)

Fink, H. & Kühles, R.

Beiträge zur methylenblaufärbung der hefezellen und studien über die permeabilität der hefezellmembran. II. Eine verbesserte färbeflüssigkeit zur erkennung von toten hefezellen. Hoppe-Seyl. Zeitschr. Phys. C hem. 218: 65-66. Je.23, 1933. no.1/2.

Indian Journ. Agr. Sci. (Calcutta) (22Ag83I)

Afzal, M. & Trought, T.

A note on a cross of Gossypium stocksii M. Mast.with Gossypium indicum Gammie. Indian Journ. Agr. Sci. 3: 334-338. pl. xxii-xxiii. Ap. 1933. no.2.

Ayyangar, G. N. R., Narayana, T. R. & Rao, T. N.

The inheritance of characters in Setaria italica (Beauv.), the Italian millet. III. Bristles. Indian Journ. Agr. Sci. 3: 207-218. pl. xv. Ap.1933. no.2.

Dastur, R. H. & Malkani, T. J.

The intake of nitrogen by the rice plant (Oryza sativa L.). Indian Journ. Agr. Sci. 3: 157-206. Ap.1933. no.2.

Deshpande, R. B.

Studies in Indian chillies. 3. The inheritance of some characters in Capsicum annuum L. Indian Journ. Agr. Sci. 3: 219-300. pl.xvi-xxi (3 col.) Ap. 1933. pt.2.

Rhind, D.

A note on the inheritance of seed-coat colour in Phaseolus lunatus L. Indian Journ. Agr. Sci. 3: 360-364. pl. xxiv (col.) Ap. 1933. no.2.

Iowa State Coll. Journ. Sci. (Ames, Ia.) (470Io9)

Burns, W. E.

The taxonomic position of an aroma-producing mold. Iowa State Coll. Journ. Sci. 7: 433-441. illus., pl. i-ii. Jl.1933. no.4.

Cylindrium suaveolens.

LeCrone, F. & Haber, E. S.

Changes in the pectic constituents of tomatoes in storage. Iowa State Coll. Journ. Sci. 7: 467-476. Jl. 1933. no.4.

Ital. Agr. (Milan) (16Itl)

Munerati, O.

Sulla possibilità di una coesistenza dei funghi del carbone e della carie su una medesima pinata di grano. Ital. Agr. 70: 631-635. illus. Je. 1933. no.6.

Izv. Akad.Nauk SSSR (Bull. Acad. Sci. URSS) (Leningrad) (511Sa2B)

Lozina-Lozinsky, A. S.

Geterokhromii͡a u besstebel'nykh pervotsvetov Primula acaulis (L.) Hill (Primula acaulis (L.) Hill, Systematics and culture). Izv. Akad. Nauk SSSR (Bull. Acad. Sci. URSS) 1933: 293-308. no.2.

Russian with English summary and Latin diagnoses of n.spp. (P. komarovi, P. woronovi)

Zalessky, M.

Observations sur les végétaux nouveaux du terrain permien inférieure de l'Oural. I. Izv. Akad. Nauk SSSR (Bull. Acad. Sci. URSS) 1933: 283-290. illus., pl. i. no.2.

Bardia maueri (n.g., n.sp.), Dicranophyllum bardense, Mauerites artinensis (n.g., n.sp.) M. gracilis.

Izv. Bot. Sada Akad. Nauk SSSR (Bull. Jard. Bot. Acad. Sci. URSS) (Leningrad) (451Sa2B)

Desi͡atova-Shostenko, N. A.

Kriticheskai͡a zametko o shalfee Salvia dumetorum Andrz. (Une note critique sur la Salvia dumetorum Andrz.) Izv. Bot. Sada Akad. Nauk SSSR (Bull. Jard. Bot. Acad. Sci. URSS) 30: 669-671. 1932. no.5/6.

Russian with French summary. S. stepposa n.sp. confused with S. dumetorum.

Izv. Bot. Sada Akad. Nauk SSSR (Bull. Jard. Bot. Acad. Sci. URSS) (cont.)

Esyreva, V. I.

Zametko o dvukh vidakh roda Melosira iz zimnego fitoplanktona reki Volgi okolo N.-Novogoroda (Notiz über zwei Melosira-arten aus dem winter-phytoplancton der Wolga bei Nižni-Novgorod). Izv. Bot. Sada Akad. Nauk SSSR (Bull. Jard. Bot. Acad. Sci. URSS) 30: 652-658. 1932. no.5/6.

Russian with very brief summary in German (M. binderana, M. islandica)

Grozdov, B. V.

Dinamika pokrova na splopinykh vyrubkakh v elovykh lesakh (Die sukzession der pflanzenbestände auf kahlschlägen in den fichtenwäldern des nördlichen teils des Moskauer gebiets) Izv. Bot. Sada Akad. Nauk SSSR (Bull. Jard. Bot. Acad. Sci. URSS) 30: 589-606. illus. 1932. no.5/6.

Russian with German summary.

Hammerman, A.F. & Semichov, B. V.

Zametka o Tibetskikh lekarstvennykh produktakh muzei͡a Botanicheskago instituta Akademii nauk. (Kurze beschreibung der tibetischen drogensammlungen in museum des Botanischen gartens der Akademie der wissenschaften USSR) Izv. Bot. Sada Akad. Nauk SSSR (Bull. Jard. Bot. Acad. Sci. URSS) 30: 551-572. illus. 1932. no.5/6.

Russian with German summary.

Ikonnikov-Galitsky, N. P.

Mongol'skie predstaviteli roda Mertensia Roth (Species Mongolicae generis Mertensia Roth). Izv. Bot. Sada Akad.Nauk SSSR (Bull. Jard. Bot. Acad. Sci. URSS) 30: 769-770. 1932. no.5/6.

Russian with Latin diagnosis (M. ochroleuca n. sp.)

Ispolatov, E. I.

Kurstarnai͡a pikhta Mdorskogo krai͡a (La forme naine d'Abies sibirica Lbd. dans la région d'Oudorsk). Izv. Bot. Sada. Akad. Nauk SSSR (Bull. Jard. Bot. Acad. Sci. URSS) 30: 703-707. 1932. no.5/6.

Russian with French summary.

Izv. Bot. Sada Akad. Nauk SSSR (Bull. Jard. Bot. Acad. Sci. URSS) (cont.)

Komarov, V. L.
Osmunda na Kamchatke. Izv. Bot. Sada Akad. Nauk SSSR (Bull. Jard. Bot. Acad. Sci. URSS) 30: 749-750. 1932. no.5/6.
Russian. O. cinnamomea.

Komarov, V. L.
Rod Pugionium Gärtn.i vidoobrazovanie v ekologicheskoǐ gruppe psammofitov (De Pugionio genere et specierum formatione in serie econogico psammophytarum) Izv. Bot. Sada Akad. Nauk SSSR (Bull. Jard. Bot. Acad. Sci. URSS) 30: 717-724. illus. 1932. no.5/6.
Russian with Latin diagnoses of new species (P. calcaratum, P. cristatum, P. pterocarpum)

Krasheninnikov, I. M. & Poretzky, A.
Novaia pol'in Kavkaza (Eine neue art wermut des Kaukasus). Izv. Bot. Sada Akad. Nauk SSSR (Bull. Jard. Bot. Acad. Sci. URSS) 30: 709-710bis. 1932. no.5/6.
Russian with Latin diagnosis (Aretemisia daghestanica).

Lozina-Lozinskaja, A. S.
K sistematike i geografii drevovidnykh saksaulov (A contribution to the geography and systematics of the tree saxauls). Izv. Bot. Sada Akad. Nauk SSSR (Bull. Jard. Bot. Acad. Sci. URSS) 30: 725-732. illus. (map) 1932. no.5/6.
Russian with English summary. Arthrophytum.

Nekrasova, V. L.
Commelina communis L., ee geograficheskoe rasprostranenie i primenenie (L'aire geographique et l'ustilisation de Commelina communis L.) Izv. Bot. Sada Akad. Nauk SSSR (Bull. Jard. Bot. Acad. Sci. URSS) 30: 659-668. illus. (map) 1932. no.5/6.
Russian with brief French summary.
Flowers yield a fine blue color (dye?)

Izv. Bot. Sada Akad. Nauk SSSR (Bull. Jard. Bot. Acad. Sci. URSS) (cont.)

Nevsky, S. A.

Agrostologicheskie etiûdy (Agrostologische etüden) Izv. Bot. Sada Akad. Nauk SSSR (Bull. Jard. Bot. Acad. Sci. URSS) 30: 489-517, 637-652. illus. (incl. map) 1932. no.3/4, 5/6.

I. Agropyrum strigosum (M.B.) Boiss. Nahestehende arten and ihre verbreitung. II. Ueber arten der gattung Agropyrum Gaertn., welche mit A. longiaristatum Boiss. verwechselt wurden. III. Clinelymus... n.gen.

Brief German summaries, Latin diagnoses of new species.

Nevsky, S. A.

K sistematike roda Agropyrum Gaertn. Izv. Bot. Sada Akad. Nauk SSSR (Bull. Jard. Bot. Acad. Sci. URSS) 30: 607-635. illus. 1932. no.5/6.

Russian with German summary and Latin diagnoses of new species &c. (A. angustiglume, A. transbaicalense, A. komarovi, A.curvatum, n.spp)

Pavlov, N.

O novom vide timofeevki (Phelum) iz Karatau (Phleum roshevitzi sp. nova e montibus Karatau) Izv. Bot. Sada Akad. Nauk SSSR (Bull. Jard. Bot. Acad. Sci. URSS) 30: 743-745. illus. 1932. no.5/6.

Russian with Latin diagnosis.

Roshevits, R.

Novye zlaki (Gramineae novae) II-III. Izv. Bot. Sada Akad. Nauk SSSR (Bull. Jard. Bot. Acad. Sci. URSS) 30: 293-304, 771-782. 1932. no. 1/2, 5/6.

Russian with Latin diagnoses.

Sent-Iv, A.

Kritcheskie zametki o nekotorykh ovsiàntsakh (Festuca) (Notes critiques sur quelques espèces du Festuca) Izv. Bot. Sada Akad. Nauk SSSR Bull. Jard. Bot. Acad. Sci. URSS) 30: 711-716. illus. 1932. no.5/6.

Russian with brief French summary and Latin diagnoses.

Sokolova, L. A.

Otchet po ekspeditsii Botanicheskogo sada Akademii nauk SSSR v Borovichskiĭ i Cherepovetskiĭ okruga letom 1930 g. (Bericht über die expedition des Botanischen gartens der Akademie der wissenschaften der USSR in die bezirke von Borowitsch und Tscherepowez, im sommer 1930) Izv. Bot. Sada Akad. Nauk SSR (Bull. Jard. Bot. Acad. Sci. URSS) 30: 673-702. illus. 1932. no.5/6.

Russian with German summary.

Izv. Bot. Sada Akad. Nauk SSSR (Bull. Jard. Bot. Acad. Sci. URSS) cont.)

Tarakanov, M. A.

Vliianie ekspozitsii na rost khvoi sosny (Ueber den einfluss der exposition auf das wachstum der nadelblätter der keifer). Izv. Bot. Sada Akad. Nauk SSSR (Bull. Jard. Bot. Acad. Sci. URSS) 30: 573-588. 1932. no.5/6.

Russian with German summary.

Tiutiunnikov, A. I.

Mnogotsvetkovyi dernistyi tiul'pan (Tulipa culta, multiflora caespitans). Izv. Bot. Sada Akad. Nauk SSSR (Bull. Jard. Bot. Acad. Sci. URSS) 30: 737-742. illus. 1932. no.5/6.

Russian.

Jahrb. Wiss. Bot. (Leipzig) (450P93J)

Fitting, H.

Untersuchungen über den plasmaströmung auslösenden reizstoff in den blattextrakten von Vallisneria. Jahrb. Wiss. Bot. 78: 319-398. 1933. no.3.

Laibach, F. & Maschmann, E.

Ueber den wuchsstoff der orchideenpollinien. Jahrb. Wiss. Bot. 78: 399-430. illus. 1933. no.3.

Niklewski, B.

Ueber den einfluss von kolloidstoffen auf die entwicklung einiger kulturpflanzen. Jahrb. Wiss. Bot. 78: 431-482. illus. 1933. no.3.

Japan. Jour. Bot. (Tokyo) (450J27)

Fukushi, T.

On some properties of the tobacco mosaic virus. I. Japan. Journ. Bot. 6: 381-392. My.31, 1933. no.3.

Hiratsuka, N.

Studies on Uromyces fabae and its related species. Japan. Journ. Bot. 6: 329-379. pl.xvi-xvii. My.31, 1933. no.3.

Kagawa, F. & Nakajima, G.

Genetical and cytological studies on species hybrids in Quamoclit. Japan. Journ. Bot. 6: 315-327. illus., pl. xii-xv. My.31, 1933. no.3.

Japan. Journ. Bot. (cont.)

Kihara, H., Wakakuwa, S. & Yamamoto, Y.
Weitere untersuchungen über die pentaploiden Triticum-bastarde. IIII. Japan. Journ. Bot. 6: 411-424. My.31, 1933. no.3.

Lilienfeld, F. A.
Karyologische und genetische studien an Fragaria. I. Eine tetraploider fertiler bastard zwischen F. nipponica (n=7) und F. elatior (n=21). Japan. Journ. Bot. 6: 425-458. illus. My.31, 1933. no.3.

Masamune, G.
Phytogeographical position of Japan concerning indigenous genera of vascular cryptogamic plants. Japan. Journ. Bot. 6: 307-314. My.31, 1933. no.3.

Morinaga, T.
Interspecific hybridization in Brassica. V. The cytology of F_1 hybrid of B. carinata and B. alboglabra. Japan. Journ. Bot. 6: 467-475. illus., pl. xx. My.31, 1933. no.3.

Ohara, K.
Mikrochemische untersuchungen an über 1,800 jahre lange aufbewahrtem holz, ein beitrag zur kohlenentstehungstheorie. Japan. Journ. Bot. 6: 393-409. illus., pl. xviii-xix. My.31, 1933. no.3.

Togashi, K. & Uchimura, K.
A contribution to the knowledge of parasitism of Valsa paulowniae, in relation to temprature. Japan. Journ. Bot. 6: 477-487. My.31, 1933. no.3.

Yamasaki, M.
Identification of the sexes in dioecious plants by testing the resistence to the toxic action of chlorate. Japan. Journ. Bot. 6:459-466. illus. My.31, 1933. no.3.

Jardinage. (Paris) (80J282)

Davet, J.
Quelques champignons parasites des plantes de serre. Jardinage 20(175): 23-25. illus. Jl. 1933.
I. La graphiole (Graphiola phoenicis). II. Les Pestalozzias. III. Le Colletotrichum. IV. L'Exosporium.

Journ. Bacteriol. (Baltimore) (448.3J82)

Punkari, L. & Henrici, A. T.

A study of variation in a chromogenic asporogenous yeast. Journ. Bacteriol. 26: 125-138. illus. Jl.1933. no.1.

Torula pulcherrima.

Journ. Arnold Arb. (Cambridge, Mass.) (451Ar6J)

Anderson, E.

Variation in flower color in Hamamelis vernalis. Journ. Arnold Arb. 14: 253-257. illus. (map) Jl. 1933. no.3.

Bailey, I. W.

The cambium and its derivative tissues. VIII. Structure, distribution, and diagnostic significance of vestured pits in dicotyledons. Journ. Arnold Arb. 14: 259-273. illus., pl. 61-63. Jl.1933. no.3.

Dermen, H.

Origin and behavior of the nucleolus in plants. Journ. Arnold Arb. 14: 282-323. pl. 64-67. Jl. 1933. no.3.

Experiments with Callisia, Paeonia & Pinus.

Hatch, A. B. & Hatch, C. T.

Some Hymenomycetes forming mycorrhizae with Pinus strobus L. Journ. Arnold Arb. 14: 324-334. pl. 68-71. Jl.1933. no.3.

Rehder, A.

New species, varieties and combinations from the herbarium and the collections of the Arnold Arboretum (cont.) Journ. Arnold Arb. 14: 199-222. illus. Jl.1933. no.3.

Rehder, A.

Notes on the ligneous plants described by Leveille from eastern Asia. (cont.) Journ. Arnold Arb. 14: 223-252. Jl. 1933. no.3.

Sax, K.

Chromosome behavior in Calycanthus. Journ. Arnold Arb. 14: 279-281. illus. Jl.1933. no.3.

Sax, K.

Species hybrids in Platanus and Campsis. Journ. Arnold Arb. 14: 274-278. illus. Jl. 1933. no.3.

Shaw, G. R.

Notes on the genus Pinus. The black cone of Pinus ponderosa. Journ. Arnold Arb. 14: 258. Jl. 1933. no.3.

Journ. Chem. Soc. London (382L84J)
Clemo, G. R. & Raper, R.
The lupin alkaloids. VII. Journ. Chem. Soc. London 1933: 644-645. illus. Je.1933.

Journ. Gen. Physiol. (Baltimore) (447.8J822)
East. E. M. & White, B.
Reactions of Valonia and of Halicystis to colloids. Journ. Gen. Physiol. 16: 925-935. Jl.20, 1933. no.6.

Journ. Min. Agr. Gt. Brit. (10G79J)
Staniland, L. N.
The treatment of narcissus bulbs with hot water. Journ. Min. Agr. Gt. Brit. 40: 343-355. illus., pl. Jl.1933. no.4.

Journ. Mysore Agr. & Exp. Union (22M993)
Badami, V. R. K.
Groundnut; soil, rainfall, cultivation, varieties under cultivation, pests and diseases. Journ. Mysore Agr. & Exp. Union 13: 60-81. 1932. no.2.

Subramaniam, T. V.
The insecticidal properties of indigenous vegetable fish poisons. Journ. Mysore Agr. & Exp. Union 13: 57-60. 1932. no.2.

Journ. N.Y. Bot. Gard. (89N48J)
Barnhart, J. H.
The grave of Stephen Elliott. Journ. N. Y. Bot. Gard. 34: 161-162. illus. Jl.1933. no.403.

Everett, T. H.
Gilia rubra. Journ. N. Y. Bot. Gard. 34: 159-160. illus. Jl.1933. no.403.

Merrill, E. D.
State flowers. Journ. N. Y. Bot. Gard. 34: 152-155. Jl.1933. no.403.

Small, J. K.
Asiatic immigrants in the botanical garden. III. Journ. N. Y. Bot. Gard. 34: 155-156. Jl. 1933. no.403.

Small, J. K.
A magnolia as a new border plant. Journ. N.Y. Bot. Gard. 34: 150-152. illus. Jl.1933. no.403.
Magnolia ashei.

Journ. Pharm. & Chim. (Paris) (383J825)
Herissey, H.
Extraction de l'asperuloside du Coprosma baueriana Hook. Journ. Pharm. & Chim. VIII, 17, 553-556. Je.16, 1933. no.12.

Journ. Washington Acad. Sci. (500W276J)
Drechsler, C.
Several more fungi that prey on nematodes. Journ. Washington Acad. Sci. 23: 355-357. illus. Jl.15, 1933. no.7.

Kartoffel, Zeitschr. Kartoffelbauges. (Berlin) (75.8K142)
Meisner,
Die krautkrankheiten der kartoffel. Kartoffel, Zeitschr. Kartoffelbauges. 13: 141-144. Jl.16, 1933. no.14.

Landbouwk. Tijdschr. Wageningen (105.20r3)
Bos, H.
Het vegetatierhythme van de rogge. Landbouwk. Tijdschr. Wageningen 45: 387-396. illus. Jl. 1933. no.547.

Landw. Jahrb. (Berlin) (18L23)
Klapp, E., Stählin, A. & Wagener, H.
Wiesen und wiesenpflanzen in mitteldeutschland. II. Grundlagen, bedeutung und bekämpfung der wiesenverunkrautung mit doldengewächsen (umbelliferen) Landw. Jahrb. 77: 621-688. illus. 1933. no.5.

London Nat. (420L843)
Spooner, H.
The fritillary (Fritillaria meleagris L.) London Nat. 1932: 78-80. pl. ii-iii. 1933.

Watson, W.
Brambles of Kent and Surrey (5). London Nat. 1932: 50-66. 1933.

Louisiana Conserv. Rev. (New Orleans) (279.9L93C)
Glenck, R.
Plant colors and their significance in the life of plants and animals. Louisiana Conserv. Rev. 3(3): 3-7, 47. illus. Jl.1933.

Mitt. Bayerisch. Bot. Ges. Erforsch. Heim. Flora (451B34)
Gentner, G.
Gustav Hegi. Mitt. Hayerisch. Bot. Ges. Erforsch. Heim. Flora 4: 222-225. port. F.1933. no.13.

Mitt. Bayerisch. Bot. Ges. Erforsch. Heim. Flora (cont.)
Paul, H.
Euphrasia cuspidata Host in den Bayerischen Alpen. Mitt. Bayerisch. Bot. Ges. Erforsch. Heim Flora 4: 226. F.1933. no.13.

Sandt, W.
Karl von Goebel. Mitt. Bayerisch. Bot. Ges. Erforsch. Heim. Flora 4: 217-222. port. F. 1933. no.13.

Mitt. Deut. Landw. Ges. (Berlin) (18D48M)
Riehm, E.
Die bedeutung der amtilichen pflanzenschutzmittelprüfung. Mitt. Deut. Landw. Ges. 48: 593-594. Jl. 8, 1933. no.27.

Mitt. Phytopath. Versuchsstat. Univ. Tartu (464.9T17)
Lepik, E.
Turnpuud ja kukerpuud, miks meid hävitame (Gesetzverordnung über die vertilgung des kruezdornes und der berberitze in Estland). Mitt. Phytopath. Versuchsst. Univ. Tartu no.14. 8 p. illus., col. pl. 1933.
Esthonian with German summary.

Lepik, E.
Ülikooli taimehaiguste-katsejaam 1922-1932 Phytopathologische versuchsstation der Universität Tartu von 1922-1932. Mitt. Phytopath. Versuchsst. Univ. Tartu no.13. 12 p. illus. 1933.
Esthonian with German summary.

Möller's Deut Gärtn.-Zeit. (Erfurt) (80M73)
Immunitäts-züchtung. Braunfleckenfeste tomatensorten. Möller's Deut. Gärtn.-Zeit. 48: 233-235. Jl.11, 1933. n..20.

Nachrichtenbl. Deut. Pflanzenschutzd. (Berlin) (464.9N11)
Winkelmann, A.
Eine methode zur prüfung von mitteln gegen Fusarium im laboratorium. Nachrichtenbl. Deut. Pflanzenschutzd. 13: 49-50. Jl.1933. no.7.

Nat. Hort. Mag. (Washington, D. C.) (81N219)
Gable, J. B.
Unusual rhododendron hybrids. Nat. Hort. Mag. 12: 257-258. Jl.1933. no.3.

Nat. Hort. Mag. (cont.)

McKay, M. B. & Warner, M. F.
Historical sketch of tulip mosaic or breaking the oldest known plant virus disease. Nat. Hort. Mag. 12: 179-216. illus. Jl. 1933. no.3.

Morrill, L. L.
A record planting of box. Nat. Hort. Mag. 12: 246-250. illus. Jl.1933. no. 3.

Morrison, B. Y.
Styrax obassia Sieb. et Zucc. Nat. Hort. Mag. 12: 271-272. illus. Jl. 1933. no.3.

Neilson, J. A.
The Crath Carpathian walnut. Nat. Hort. Mag. 12: 251. Jl. 1933. no.3.
Account of the Crath and also the Broadview, the former from Toronto and the latter from Broadview, Brit. Columbia, which seem to be hardier than the average of species grown in U. S.

Russell, P.
Prunus serrulata Lindl. variety Shirotae. Oriental cherry. Nat. Hort. Mag. 12: 272-274. illus. Jl. 1933. no.3.

Ryerson, K. A.
The Feijoa. Nat. Hort. Mag. 12: 241-245. illus. Jl. 1933. no.3.

Scruggs, M. & Scruggs, M.
Acacias native to the Southwest. Nat. Hort. Mag. 12: 261-263. Jl. 1933.

Sherrard, D.
Two ladies from Spain. Nat. Hort. Mag. 12: 264-267. illus. Jl. 1933. no.3.
Narcissus cyclamineus, N. triandrus.

Slavin, A. D.
Forms of pine. I. Nat. Hort. Mag. 12: 217-226. illus. Jl. 1933. no.3.

Nat. Nut News. (Chicago) (94.68N21)

Rudolph, B. A.
Essentials of making Bordeaux spray for control of blight. Nat. Nut News 16(7): 10-11. Jl. 1933.

New Flora & Silva (London) (80N422)

Alcock, N.L.
Downy mildew of Meconopsis (Peronospora aborescens). New Flora & Silva 5: 279-282. pl. Jl. 1933. no.4.

Cahen, E.
Hellebores. New Flora & Silva 5: 259-264. 2 pl. on 1. Jl. 1933. no.4.

Cooper, R. E.
Japanese primulas and their cultivation. New Flora & Silva 5: 265-270. 3 pl. on 2. Jl. 1933. no.4.

Gresham, C. E.
Spring flowers of northern Cyprus. New Flora & Silva 5: 271-273. pl. Jl. 1933. no.4.

Lawrence, W.
Azara. New Flora & Silva 5: 226-228. pl. Jl. 1933. no.4.

Notcutt, R. F.
Hamamelis. New Flora & Silva 5: 256-258. Jl. 1933. no.4.

Regel, K.
A journey in Asia Minor. New Flora & Silva 5: 236-244. 3 pl. on 2. Jl. 1933. no.4.

Saunders, A. P.
Hybrid peonies. New Flora & Silva 5: 245-255. 2 pl. on 1. Jl. 1933. no.4.

Stern, F. C.
Cyclamen species. New Flora & Silva 5: 219-225. 3 pl. on 2. Jl. 1933. no.4.

New Zeal. Journ. Agr. (Wellington) (23N48J)

Allan, H. H.
Fleabane and sea aster. Their identification and incidence in tidal-land reclamation. New Zeal. Journ. Agr. 46: 341-344. illus. Je.20, 1933. no.6.

Notes R. Bot. Gard. Edinb. (89Ed4)

Anthony, J.

On Vaccinium donianum Wight. Notes R. Bot. Gard. Edinb. 18: 13-16. Ap. 1933. no.86.

Comber, H. F.

Notes on the distribution of certain Chinese and Himalayan species of Ilex with descriptions of new species. Notes R. Bot. Gard. Edinb. 18:37-62. Ap.1933. no.86.

I. forrestii, I. georgei, I. longecaudata, I. oblata, I. shweliensis n.spp.

Edinburgh, Royal botanic garden.

Diagnoses specierum novarum in herbario Horti regii botanici Edinburgensis cognitarum. DLI-DLXIX. Notes R. Bot. Gard. Edinb. 18: 17-36. Ap. 1933. no.86.

Nelson, A. & Munro, J. M.

The identification of various species of bean which may be used in the manufacture of meal. Notes R. Bot. Gard. Edinb. 18: 7-12. illus. Ap. 1933. no.86.

Orr, M. Y.

A new Chinese silver fir. Notes R. Bot. Gard. Edinb. 18: 105. illus., pl. ccxxxvi. Ap. 1933. no.86.

Abies georgei.

Orr, M. Y.

Taiwania in Burma. A new record. Notes R. Bot. Gard. Edinb. 18: 6. Ap. 1933. no.86.

Smith, W. W.

A new Primula from S. W. China. Notes R. Bot. Gard. Edinb. 18: 63. Ap. 1933. no.86.

Primula tsiangii.

Notizbl. Bot. Gart. Berlin (451B45N)

Burret, M.

Chamaedorea Willd. und verwandte palmengattungen. Notisbl. Bot. Gart. Berlin 11: 724-768. Mr.31, 1933. no.108.

Burret, M.

Neue palmen aus Neu-Guinea. Notizbl. Bot. Gart. Berlin 11: 704-713. Mr.31, 1933. no.108.

Notizbl. Bot. Gart. Berlin (cont.)

Harms, H.
Cucurbitaceae americanae novae. Notizbl. Bot. Gart. Berlin 11: 768-776. Mr.31, 1933. no.108.

Harms, H.
Ueber eine neue art der gattung Distylium Sieb. et Zucc. aus Mittel-Amerika. Notizbl. Bot. Gart. Berlin 11: 714-718. illus. Mr.31, 1933. no.108.
Distylium guatemalense.

Harms, H.
Zur kenntnis der gattung Haplorhus Engl. Notizbl. Bot. Gart. Berlin 11: 719-721. Mr.31, 1933. no.108.
Haplorhus peruviana.

Melchoir, H. & Stroh, G.
Beiträge zur kenntnis der chinesischen. Potentilla-arten. Notizbl. Bot. Gart. Berlin. 11: 790-801. Mr.31, 1933. no.108.
P. rockiana, P. stromatodes n.spp.

Mildbraed, J.
Neue und seltene arten aus dem sudlichen Ostafrika (Tanganyika-Territ. mandat) leg. H.H. Schleieben. III. Notizbl. Bot. Gart. Berlin 11: 802-826. Mr.31, 1933. no.108.
Thamnojusticia nov.gen. (T. amabilis) in Acanthaceae.

Pilger, R.
Neue arten aus dem tropischen Amerika. Notizbl. Bot. Gart. Berlin 11: 777-789. Mr.31, 1933. no.108.

Schulz, O. E.
Zwei neue Erythroxylum-arten aus Amerika. Notizbl. Bot. Gart. Berlin 11: 722-723. Mr.31, 1933. no.108.
Erythroxylum bradeanum, E. trollii.

Stenzel, A.
Bericht über das gedeihen der von J.F. Rock aus Nordwest-China eingefürten gehölze im Botanischen garten zu Berlin-Dahlem. Notizbl. Bot. Gart. Berlin 11: 691-703. Mr.31, 1933. no.108.

Oesterr. Bot. Zeitschr. (Wien) (4500s7)

Handel-Mazzetti, H.

Kleine beitrage zur kenntnis der flora von China. III. Oesterr. Bot. Zeitschr. 82: 245-254. Je.1, 1933. no.3.

Hruby, J.

Die verbreitung von Juncus tenuis Willd. in Mähren und Schlesien. Oesterr. Bot. Zeitschr. 82: 255-257. illus. (Map) Je.1, 1933. no.3.

Lämmermayr, L.

Neue beobachtungen und untersuchungen an den legzirben des Zirbitzkogels. Oesterr. Bot. Zeitschr. 82: 197-206. illus. Je.1, 1933. no.3.

Möschl, W.

Zwei neue Cerastium-arten der Balkanhalbinsel. Oesterr. Bot. Zeitschr. 82: 226-234. illus. (incl. map) Je.1, 1933. no.3.

C. trichogynum, C. dentatum n. spp.

Rosenkranz, F.

Beiträge zur kenntnis der verbreitung atlantischer florenelemente in Niederösterreich. Oesterr. Bot. Zeitschr. 82: 213-225. illus. (Map) Je.1, 1933. no.3.

Uphof, J. C. Th.

Einiges zur biologie der terrestrischen utricularien. Oesterr. Bot. Zeitschr. 82: 207-212. illus. Je.1, 1933. no.3.

Orchid Rev. (Richmond, Engl.) (800r15)

Coleman, E.

Pollination of orchids (genus Prasophyllum). Orchid Rev. 41: 210-215. Jl. 1933. no.481.

Orchidee (Bandoeng) (800r18)

Een aardig moerasorchideetje. (Dipodium paludosum Rchb. f.) Orchidee (Bandoeng) 2: 130-133. illus. Je.1933. no.6.

Orchideeënzending naar Europa. Interessante proeven. Orchidee (Bandoeng) 2: 133-139. illus. Je.1933. no.6.

Papers & Proc. R. Soc. Tasmania (Hobart) (514H65)
Nicholls, W. H.
A new Tasmanian terrestial orchid. Papers & Proc. Roy. Soc. Tasmania 1932: 13-14. pl.vi. 1933.
caladenia echidnachila.

Philipp. Agr. (Los Banos) (25P542)
Caguicla, P. M.
Selection of varieties and strains of mungo (Phaseolus aureus Roxb.). Philipp. Agr. 22: 23-42. illus. Je.1933. no.1.

Philipp. Journ. Agr. (25P543)
Adriano, F. T., Ylizarde, H. L. & Villanueva, E.
The pectin content of some Philippine fruits. Philipp. Journ. Agr. 3: 273-279. 1932(Recd Jl.1933) no.4.

Phytopath. (464.8P56)
Allen, R. F.
A cytological study of the teliospores, promycelia, and sporidia in Puccinia malvacearum. Phytopath. 23: 572-586. illus. Jl. 1933. no.7.

Buhrer, E. M.
Three new hosts for Tylenchus dipsaci, the bulb or stem nema. Phytopath. 23: 620-621. illus. Jl. 1933. no.7.
Colchicum speciosum, Chionodoxa luciliae, and Digitalis purpurea.

Lindgren, R. M.
Field observations of needle rusts of spruce in Minnesota. Phytopath. 23: 613-616. Jl.1933. no.7.

Paxton, G. E.
Consistent mutation of Helminthosporium sativum on a no-nitrogen medium. Phytopath. 23: 617-619. illus. Jl. 1933. no.7.

Steiner, G. & Buhrer, E. M.
Unusual disease symptoms produced by Aphelenchoides fragariae. Phytopath. 23: 622. illus. Jl. 1933. no.7.
On Chrysanthemum hortorum.

Weber, G. F.
Stem canker of Crotalaria spectabilis caused by Diaporthe crotalariae, n.sp. Phytopath. 23: 596-604. illus. Jl. 1933. no.7.

Phytopath. (cont.)

Weston, W. H., Jr.

A new Sclerospora from Nyasaland. Phytopath. 23: 587-595. illus. Jl. 1933. no.7.

S. butleri on Eragrostis aspera.

Weston, W. H., Jr.

Roland Thaxter (1858-1932), his influence on plant pathology. Phytopath. 23: 565-571. port. Jl. 1933. no.7.

Wolf, F. T.

The pathology of tobacco black shank. Phytopath. 23: 605-613. illus. Jl. 1933. no.7.

Phytopath. Zeitschr. (Berlin) (464.8p562)

Böning, K.

Zur biologie und bekämpfung der sklerotienkrankheit des tabaks (Sclerotiorum [Lig.] Massee). Phytopath. Zeitschr. 6: 113-175. illus. 1933. no.2.

Hemmi, T.

Experimental studies on the relation of environmental factors to the occurrence and severity of blast disease in rice plants. Phytopath. Zeitschr. 6: 305-324. illus. 1933. no.3.

Katser, A.

Ueber die resistenz verschiedener apfelsorten gegenüber Sclerotinia fructigena (Pers.) Schroet. und ihre beziehung zur wasserstoffionenkonzentration. Phytopath. Zeitschr. 6: 177-227. illus. 1933. no.2.

Klebahn, H.

Ueber bau und konidienbildung bei einigen stromatischen sphaeropsideen. Phytopath. Zeitschr. 6: 229-304. illus. 1933. no.3.

Allantophoma n.g. (A. endogenospora, A. exogenospora, A. nematospora) found on Douglas fir.

Plant Physiology (450P692)

Colby, H. L.

Effects of starvation on distribution of mineral nutrients in French prune trees grown in culture solutions. Plant Physiology 8: 357-393. Jl. 1933. no.3.

Emmert, E. M.

Indirect colorimetric method for the determination of calcium. Plant Physiology 8: 469-473. Jl. 1933. no.3.

Plant Physiology (cont.)

Garner, W. W.

Comparative responses of long-day and short-day plants to relative length of day and night. Plant Physiology 8: 347-356. Jl. 1933, no.3.

Hassid, W. Z.

Occurrence of dulcitol in Irideae laminarioides (Rhodophyceae). Plant Physiology 8: 480-482. Jl. 1933. no.3.

Maclagan, J. F. A.

Date of flowering as affected by climatic temperature. Plant Physiology 8: 395-423. Jl. 1933. no.3.

Markley, K. S. & Sando, C. E.

Possible changes in the waxlike coating of apples caused by certain spray and other treatments. Plant Physiology 8: 475-478. Jl. 1933. no.3.

Oserkowsky, J.

Quantitative relation between chlorophyll and iron in green and chlorotic pear leaves. Plant Physiology 8: 449-468. Jl. 1933. no.3.

Saeger, A.

Gas injury to pure cultures of Spirodela. Plant Physiology 8: 479-480. Jl. 1933. no.3.

Steward, F. C. & Priestley, J. H.

Movement of organic materials in plants: A correction. Plant Physiology 8: 482-483. Jl. 1933. no.3.

Planta Arch. Wiss. Bot. (Berlin) (450P693)

Jaccard, P.

Unaufgeklärte schwankungen in den nächtlichen Co_2 -abgabe bei höheren pflanzen. Planta Arch. Wiss. Bot. 19: 713-728. Je.16, 1933. no.4.

Kugler, H.

Blütenökologische untersuchungen mit hummeln. VI. Die reichweite der optischen fernanlockung. Planta Arch. Wiss. Bot. 19: 781-789. illus. Je.16, 1933. no.4.

Planta Arch. Wiss. Bot. (cont.)

Pringsheim, E. G., Jedlitschka, F. & Görlich, B.
Untersuchungen über samenquellung. III. Der atmungsquotient quellender samen. Planta Arch. Wiss. Bot. 19: 653-712. illus. Je.16, 1933. no.4.

Silberschmidt, K.
Beiträge zur kenntnis der stoffwechselgemeinschaft zwischen pfropfpartnern. Planta Arch. Wiss. Bot. 19: 729-780. illus. Je.16, 1933. no.4.

Proc. Hawaiian Sugar Plant. Assoc.

Agee, H. P.
The sugar planter looks at botany. Honolulu, 1932. (With Proc. Hawaiian Sugar Plant. Assoc. 52d (1932) 1933).

Martin, J. P.
Pathology. In Ann. Rep. Comm. Exp. Stat. Hawaiian Sugar Plant. Assoc. 1931/32: 23-42. 1932 (With Proc. Hawaiian Sugar Plant Assoc. 52d (1932). 1933)

Repert. Spec. Nov. Beih. (Dahlem bei Berlin) (450R29B)

Beiträge zur systematik und pflanzengeographie X. Repert. Spec. Nov. Beih. 71. 258 p. plates. (incl. maps) My.25, 1933.

Rep. Iowa State Hort. Soc. (81Io9)

Bliss, D.E. & McNew, G. L.
Five years experimental spraying for the control of cherry yellow-leaf on nursery stock. Rep. Iowa State Hort. Soc. 67(1932): 178-179. [1933]

King, C. M.
Notes on blooming time of plants, Ames, Iowa, 1932, with a few general notes. Rep. Iowa State Hort. Soc. 67(1932): 156-162. [1933]

Rev. Agronómica (Lisboa) (15.5R32)

Oliveira, B. de.
A acção da temperatura sôbre o desenvolvimento dos Fusicladia dendriticum, pirinum e eriobotryae. Rev. Agronómica 20(2): 36-40. 1932.

Souza da Camara, M. de.
Mycoflora Lusitanica. X. Rev. Agronómica 20(1): 1-33; 20(2): 1-35. illus. 1932.

Rev. Bryol. & Lichénol. (Paris) (450R325)

Loeske, L.
Kritik der europaeischen anomobryen. Rev. Bryol. & Lichénol. 5: 169-201. Je.15, 1933. no.4.

Potier de la Varde, R.
Novitates africanae. Rev. Bryol. & Lichénol. 5: 202-209. illus. Je.15, 1933. no.4.

Werner, R.-G.
Contribution à la flore cryptogamique du Maroc. VII. Rev. Bryol. & Lichénol. 5: 210-228. pl.iii. Je.15, 1933. no.4.

Rev. Gén. Bot. (Paris) (450R326)

Belval, H.
L'amidon et les fructosides des Lycoris. Rev. Gén. Bot. 45: 213-225. Je. 1933. no.534.

Famin, A.
Action de la température sur les végétaux. I. Influence de la température sur la croissance de Pisum sativum. Rev. Gén. Bot. 45: 226-257. illus. Je. 1933. no.534.

Guilliermond, A.
Recherches cytologiques sur les pigments anthocyaniques et les composés oxyflavoniques. II. Caractères microchimiques et mode de formation des pigments anthocyaniques et des composés oxyflavoniques dans les fleurs. Rev. Gén. Bot. 45: 258-276. illus. Je. 1933. no.534.

Rev. Gén. Sci. (Paris) (473R324)

Devaux, E.
La métamorphose du type ligneux en type herbacé. Hypothèse d'une transmutation de dicotylédones en monocotylédones. Rev. Gén. Sci. 44: 400-406. Jl.15, 1933. no.13.

Vandel, A.
La détermination du sexe chez les plantes hermaphrodites et monoïques. Rev. Gén. Sci. 44: 337-339. Je.15, 1933. no.11.

Planta Arch. Wiss. Bot. (cont.)

Pringsheim, E. G., Jedlitschka, F. & Görlich, B.
Untersuchungen über samenquellung. III. Der atmungsquotient quellender samen. Planta Arch. Wiss. Bot. 19: 653-712. illus. Je.16, 1933. no.4.

Silberschmidt, K.
Beiträge zur kenntnis der stoffwechselgemeinschaft zwischen pfropfpartnern. Planta Arch. Wiss. Bot. 19: 729-780. illus. Je.16, 1933. no.4.

Proc. Hawaiian Sugar Plant. Assoc.

Agee, H. P.
The sugar planter looks at botany. Honolulu, 1932. (With Proc. Hawaiian Sugar Plant. Assoc. 52d (1932) 1933).

Martin, J. P.
Pathology. In Ann. Rep. Comm. Exp. Stat. Hawaiian Sugar Plant. Assoc. 1931/32: 23-42. 1932 (With Proc. Hawaiian Sugar Plant Assoc. 52d (1932). 1933)

Repert. Spec. Nov. Beih. (Dahlem bei Berlin) (450R29B)

Beiträge zur systematik und pflanzengeographie X. Repert. Spec. Nov. Beih. 71. 258 p. plates. (incl. maps) My.25, 1933.

Rep. Iowa State Hort. Soc. (81Io9)

Bliss, D.E. & McNew, G. L.
Five years experimental spraying for the control of cherry yellow-leaf on nursery stock. Rep. Iowa State Hort. Soc. 67(1932): 178-179. [1933]

King, C. M.
Notes on blooming time of plants, Ames, Iowa, 1932, with a few general notes. Rep. Iowa State Hort. Soc. 67(1932): 156-162. [1933}

Rev. Agronómica (Lisboa) (15.5R32)

Oliveira, B. de.
A acção da temperatura sôbre o desenvolvimento dos Fusicladia dendriticum, pirinum e eriobotryae. Rev. Agronómica 20(2): 36-40. 1932.

Souza da Camara, M. de.
Mycoflora Lusitanica. X. Rev. Agronómica 20(1): 1-33; 20(2): 1-35. illus. 1932.

Rev. Bryol. & Lichénol. (Paris) (450R325)

Loeske, L.

Kritik der europaeischen anomobryen. Rev. Bryol. & Lichénol. 5: 169-201. Je.15, 1933. no.4.

Potier de la Varde, R.

Novitates africanae. Rev. Bryol. & Lichénol. 5: 202-209. illus. Je.15, 1933. no.4.

Werner, R.-G.

Contribution à la flore cryptogamique du Maroc. VII. Rev. Bryol. & Lichénol. 5: 210-228. pl.iii. Je.15, 1933. no.4.

Rev. Gén. Bot. (Paris) (450R326)

Belval, H.

L'amidon et les fructosides des Lycoris. Rev. Gén. Bot. 45: 213-225. Je. 1933. no.534.

Famin, A.

Action de la température sur les végétaux. I. Influence de la température sur la croissance de Pisum sativum. Rev. Gén. Bot. 45: 226-257. illus. Je. 1933. no.534.

Guilliermond, A.

Recherches cytologiques sur les pigments anthocyaniques et les composés oxyflavoniques. II. Caractères microchimiques et mode de formation des pigments anthocyaniques et des composés oxyflavoniques dans les fleurs. Rev. Gén. Bot. 45: 258-276. illus. Je. 1933. no.534.

Rev. Gén. Sci. (Paris) (473R324)

Devaux, E.

La métamorphose du type ligneux en type herbacé. Hypothèse d'une transmutation de dicotylédones en monocotylédones. Rev. Gén. Sci. 44: 400-406. Jl.15, 1933. no.13.

Vandel, A.

La détermination du sexe chez les plantes hermaphrodites et monoïques. Rev. Gén. Sci. 44: 337-339. Je.15, 1933. no.11.

Rev. Hort. (Paris) (80R32)

Jahandiez, E.

Les plantes grasses autres que les cactées. Les agaves. (cont.) Rev. Hort. 105: 425-426. illus. Je.16, 1933. no.18.

Jarry-Desloges, R.

Le Datura chlorantha et sa descendance. Rev. Hort. 105: 427-428. Je.16, 1933. no.18.

Rev. Zool. et Bot. Afr. (410R326)

Baker, E. G.

New Leguminosae from the Belgian Congo. Rev. Zool. et Bot. Afr. 23: 177-182. Je.25, 1933. no.2.

New species in Crotalaria, Vigna (V. lebrunii) & Eriosema (E. quarrei).

Kufferath, H.

Comment récolter les protistes et les cryptogames au Congo belge? Rev. Zool. et Bot. Afr. v.23 suppl. (Bull. Cercle Bot. Congol. v.1): 57-63, 79-86. D.26, 1932; Je.25, 1933.

Staner, P.

Contributions à l'étude de la flore du Parc National Albert et du Kivu. I. Plantes récoltés par M. de Dr. Scaetta. Rev. Zool. et Bot. Afr. 23: 208-230. Je.25, 1933. no.2.

Staner, P.

Les ericacées du Congo Belge. Rev. Zool. et Bot. Afr. 23: 231-232. Je.25, 1933. no.2.

Rhodesia Agr.Journ. (Salisbury) (24R34)

Christian, H. B.

Notes on African aloes. IX. Rhodesia Agr. Journ. 30: 469-471. 3 pl. Je.1933. no.6.

Hopkins, J. C. F.

A list of plant diseases occurring in southern Rhodesia. Supplement 3. New records for the period June, 1932, to May, 1933. Rhodesia Agr. Journ. 30: 504-506. Je.1933. no.6.

Hopkins, J. C. F.

Seasonal notes on tobacco diseases. 6. An unusual type of frog eye spotting. Rhodesia Agr. Journ. 30: 472-474. pl. Je. 1933. no.6.

Riv. Patol. Veg. (Pavia) (464.8R52)

Minerbi, G.

La morte dell'apice vegetativo del germoglio principale nelle piante di frumento. Riv. Patol. Veg. 23: 241-250. illus. My./Je. 1933. no.5/6.

Riz. et Rizicult. (Paris)

Sampietro, G.

Fécondation naturelle et hybridation artificielle du riz. Riz et Rizicult. 7: 109-114. illus., pl.4. Je. 1933. no.2.

Roczn. Nauk Rolnicz. i Leśn. (Polish Agr. & For. Ann.)
(Poznań) (20.5R59)

Cywińska, Z. & Józefowiczówna, M.

Wpływ gestości sadzenia oraz sposobów ciecia na plon pomidorów. (Standraum- und schnittversuche zu tomaten). Roczn. Nauk Rolnicz. i Leśn. (Polish Agr. & For. Ann.) 30: 25-38. 1933. no.1.

French summary: p.37-38.

Krzemieniewska, H.

Spirochaeta cytophaga Hutch. i Clayt. oraz Cytophaga hutchinsoni Winogradsky. Roczn. Nauk Rolnicz. i Leśn. (Polish Agr.& For. Ann.) 30: 1-24. pl. 1933. no.1.

French summary: p.24. Considers them two distinct species.

Zaleski, K.

Wzgledna odpornościna bakterjoze obwódkowa odmian fasol uprawianych w Polsce. (Relative varietal susceptibility of beans grown in Poland to halo-blight disease). Roczn. Nauk Rolnicz. i Leśn. (Polish Agr.& For. Ann.) 30: 39-116. pl.i-iv. 1933. no.1.

English summary: p.113-115.

Schweiz. Zeitschr. Obst- u. Weinb.

Wiesmann, R.

Ueber ein knospensterben an apfelbäumen. Schweiz. Zeitschr. Obst- u. Weinb. 69: 235-238. illus. Jl.8, 1933. no.14.

Ob auch in unserm fall das Fusarium als erreger des knospensterbens an den apfelbäumen anzusprechen ist, muss durch den infektionsversuch mit reinkulturen entschieden werden.

Science (470Sci2)

Hanson, H. C.

Distribution of leafy spurge (Euphorbia virgata) in the United States. Science 78: 35. illus. (map) Jl.14, 1933. no.2011.

Jeffrey, E. C.

Internal chromosomal variation and its probable cause. Science 78: 34-35. Jl.14, 1933. no.2011.

Kohl, E. J.

An explanation of the cause of spiral grain in trees. Science 78: 58-59. illus. Jl.21, 1933. no.2012.

Rate of sap flow in plants. Science v.78, no.2011. suppl. p.6-7. Jl.14, 1933.

Experiments of Prof. Bruno Huber of the Darmstadt technical university.

Sci. Papers Inst. Phys. & Chem. Res. (Tokyo) (513T577)

Katake, M., Taguchi, K. & Okamoto, T.

Chemische untersuchungen in der saponinreihe. IV. Ueber die saponine von Fatsia japonica Dcne et Plane. Sci. Papers Inst. Phys. & Chem. Res. (Tokyo) 21: 99-103. Jl. 1933. no.431/434.

Seed World (Chicago) (61.8Se52)

Bonnett, R. K.

Pea and bean disease problems in southern states. Seed World 34(2): 12-13, 30. illus. Jl.21, 1933.

Talk given before Convention of the Southern seedsmen's association held at Chicago.

The Shade Tree N.J. (99.8Sh1)

Beattie, R. K.

The Dutch elm disease in New Jersey. The Shade Tree N.J. v.6, no.7. [3] p. Jl. 1933.

Sinensia Contr. Metrop. Mus. Nat. Hist. Nanking (410.9Si62)

Tai, F. L. & Wei, C. T.

Notes on Chinese fungi. II. Erysiphaceae. Sinensia Contr. Metrop. Mus. Nat. Hist. Nanking 3: 93-130. illus. O.1932. no.4.

Sitzungsb. Akad. Wiss. Wien Math.-Naturw. Kl. Abt. I.
(510V67)

Fritsch, K.

Beobachtungen über blütenbesuchende insekten in Steiermark, 1913.(cont.) Sitzungsb. Akad. Wiss. Wien Math.-Naturw. Kl. Abt. I 142: 19-40. 1933. no.1/2.

Lämmermayr, L.

Vergleichende studien über die pflanzendecke oststeirischer basalte und basalttuffe. III. Sitzungsb. Akad. Wiss. Wien Math.-Naturw. Kl. Abt.I 142: 1-17. 1933 (Rec'd Jl.22, 1933) no.1/2.

Succulenta (Leeuwarden) (450Sul)

Woerden, C. v.

Het kweeken van succulenten in Ned.-Indië. Succulenta 15: 121-128. illus. Jl. 1933. no.7.

Svenska Skogsvårdsfören Tidskr. (Journ. Swedish For. Soc.)
(99.8Sk5)

Boysen-Jensen, P.

Respiration i stamme og grene af traeer. Svenska Skogsvårdsfören Tidskr. (Journ. Swedish For. Soc.) 31: 239-241. 1933. no.11.

Studies Plant Phys. Lab. Charles Univ. Prague (451P88)

Němec, B.

Die brandbeulen von Ustilago maydis. Studies Plant Phys. Lab. Charles Univ. Prague v.4, no.2. 22 p. illus. 1932.

Němec, B.

Ueber die gallen von Heterodera schachtii auf der zuckerrübe. Studies Plant Phys. Lab. Charles Univ. Prague v.4, no.2. 14 p. illus. 1932.

Němec, B.

Die wurzelbildung an den bakteriellen pflanzentumoren. Studies Plant Phys. Lab. Charles Univ. Prague v.4, no.2. 6 p. illus. 1932.

Experiments with Pseudomonas rhizogenes and horse chestnut.

Tectona (Buitenzorg) (99.8B65)

Coster, C.

Wortelstudiën in de tropen. IV. Wortelconcurrentie. Tectona 26: 450-497. illus., col.pl. Je.1933. no.6.

German summary: p.492-497.

Tijdschr. Plantenz. (464.8T44)

Goossens, J.

Alternaria-droogrot van aardappelknollen. Tijdschr. Plantenz. 39: 165-172. pl. x-xi. Jl. 1933. no.7.

Huisman, Tj. J.

De gewone schurft van de aardappelknol. Tijdschr. Plantenz. 39: 173-188. Jl. 1933. no.7.

Trans. Tottori Soc. Agr. Sci. (513T64)

Endô, S. & Sakita, S.

A new Sclerotium disease of Echinochloa crusgalli Beauv. subsp. submutica Honda var. typica Honda caused by Sclerotium fumigatum Nakata. Trans. Tottori Soc. Agr. Sci. 4: 106-110. illus. D.15,1932. no.2.

Hiratsuka, N.

Additional notes on the Melampsoraceae of Hokkaido, II. Trans. Tottori Soc. Agr. Sci. 4: 111-115. D.15,1932. no.2.

Hiratsuka, N. & Uemura, Y.

On new host plants of Hyalopsora polypodii (Diet.) P. Magn. Trans. Tottori Soc. Agr. Sci. 4: 71-72. D.15, 1932. no.2.

Japanese with brief English summary.

Matsuura, I.

Notices on the larger fungi of the San-in district. IV. Trans. Tottori Soc. Agr. Sci. 4: 96-105. illus. D.15, 1932. no.2.

Tribune Hort. (Bruxelles) (80T73)

Nicolas, E.

La multiplication des fougères. Tribune Hort. 18: 437-441. Jl.15, 1933. no.861.

Trudy Inst. Nov. Lubian. Syr'ia. [Trans. Inst. New Bast Fibers] (Moskva) (73.9M85)

Altukhov, M.

Iz itogov rabot po izucheniiu vorsoval'noi shishki. Trudy Inst. Nov. Lubian. Syr'ia [Trans. Inst. New Bast Fibers] 4: 99-102. illus. 1933.

Russian. Teazel.

Dunin, M.S. & Goldmacher, N. S.

Povrezhdeniia tochki rosta kenafa [Injuries to kenaf]. Trudy Inst. Nov. Lubian. Syr'ia [Trans. Inst. New Bast Fibers] 4: 54-76. illus. 1933.

Insest and fungus pests. (Fungi: p.70-76)

Russian.

Trudy Inst. Nov. Lubian. Syr'ia. [Trans. Inst. New Bast Fibers] (cont.)

Nazarov, M. I.
Kendyr sredi rastitel'nosti doliny r. Syr-Dar'i. Trudy Inst. Nov. Lubian. Syr'ia [Trans. Inst. New Bast Fibers] 3: 104-183. illus. 1932.
Russian. Includes a number of plant lists.

Rusanov, F. & Delenko, G.
Estestvennye mestoobitaniia kendyria na Kavkaze Trudy Inst. Nov. Lubian.Syr'ia [Trans. Inst. New Bast Figers] 3: 75-97. illus. (incl.map) 1932.
Russian.

Transhel, V., Gunter, L. & Khokhriakov, M.
Spisok gribov, vstrechaiushchikhsia na novykh kul'turnykh priadil'nykh rasteniiakh [List of fungi found on new cultivated fiber plants] Trudy Inst. Nov. Lubian. Syr'ia [Trans. Inst. New Bast Fibers] 4: 127-140. 1933.
Russian. List arranged by hosts.
Microdiplodia boehmeriae, Ascochyta hibisci-cannabini, Coniothyrium abutilonis, Microdiplodia abutilonis, Stagonospora abutilonis n. spp.

Trudy Prikl. Bot., Gen. i Selek. Ser. A, Sotsial. Rast. (Bull. Appl. Bot., Gen. & Plant-breed. Ser. A, social. Plant Ind.) (451R92S)

Levitsky, G. A.
Tsitologicheskii metod v selektsii (The cytological method in plant breeding) Trudy Prikl. Bot. Gen., i Selek. Ser. A, Sotsial. Rast. (Bull. Appl. Bot., Gen. & Plant-breed. Ser. A, Social. Plant Ind.) 5/6: 30-47. illus. 1933.
Russian.

Mal'tsev, A. I.
Christotel (Chelidonium majur L.) i ego primenenie v metallo-obrabatyvaiushchei promyshlennosti (Chelidonium majus and its utilization in the metal industry) Trudy Prikl. Bot., Gen. i Selek. Ser. A, Sotsial Rast. (Bull. Appl. Bot., Gen. & Plant-breed, Ser. A, Social Plant Ind.) 4: 203-204. illus. 1932.
Russian.

Nemilov, A. V.
Ispol'zovanie dostizhenii endokrinologii v rastenievodstve (Utilization of the achievements of endocrynology in plant industry) Trudy Prikl. Bot., Gen. i Selek. Ser. A, Sotsial. Rast. (Bull. Appl. Bot., Gen. & Plant-breed. Ser. A, Social. Plant Ind.) 5/6: 48-56. 1933.
Russian.

Trudy Prikl. Bot., Gen. i Selek. Ser. II, Gen., Selek. i Tsitol. Rast. (Bull. Appl. Bot., Gen. & Plant-breed. II. Ser., Gen. Pl. Breed. & Cytol.) (451R92Ge)

Avdulov, N. P. & Titova, N. N.

Sverkhkomplektnye khromozomy u Paspalum stoloniferum Bosco (Additional chromosomes in Paspalum stoloniferum Bosco) Trudy Prikl. Bot., Gen. i Selek. Ser. II, Gen., Selek. i Tsitol. Rast. (Bull. Appl. Bot., Gen. I Plant-breed. II. Ser., Gen., Pl. Breed. & Cytol.) 2: 165-172. 1933.

Russian with English summary.

Avdulov, N. P.

O sverkhkomplektnykh khromozomakh u kukuruzy (On the additional chromosomes in maize) Trudy Prikl. Bot., Gen. i Selek. Ser. II, Gen., Selek. i Tsitol. Rast. (Bull. Appl. Bot., Gen. & Plant-breed. II Ser., Gen., Pl. Breed. & Cytol.) 2: 101-130. iii pl. 1933.

Russian with English summary.

Lebedeva, A.

Tekhnicheskie momenty v selektsii l'na-dolguntsa (Technical moments in the breeding of flax for fiber) Trudy Prikl. Bot., Gen. i Selek. Ser. II, Gen., Selek. i Tsitol. Rast. (Bull. Appl. Bot., Gen. & Plant-breed. II. Ser., Gen., Pl. Breed. & Cytol.) 4: 35-106. 1933.

Russian with English summary.

Rybin, V.

Rezul'taty tsitologichekogo issledovaniia̐ iuzhnoamerikanskikh kul'turnykh i dikikh kartofelei i ikh znachnie dlia̐ selektsii (Cytological investigation of the South American cultivated and wild potatoes, and its significance for plant breeding) Trudy Prikl. Bot., Gen. i Selek. Ser. II, Gen., Selek. i Tsitol. Rast. (Bull. Appl. Bot., Gen. & Plant-breed. II. Ser., Gen. Pl. Breed. & Cytol.) 2: 3-100. incl. xxxi pl.) 1933.

Russian with English summary.

Tamamshian, S.

Materialy po kariosistematike kul'turnykh i dikikh vidov sem. Umbelliferae (Materials for the karyosystematics of the cultivated and wild growing species of the family Umbelliferae) Trudy Prikl. Bot., Gen. i Selek. Ser. II, Gen., Selek. i Tsitol. Rast. (Bull. Appl. Bot., Gen. & Plant-breed. II. Ser., Gen., Pl. Breed. & Cytol.) 2: 137-164. illus. 1933.

Russian with English summary.

Trudy Severo-Kavkas. Inst. Zashch. Rast. (Bull.
North Caucas. Inst. Plant Prot.) (423.92Se8)

Kapshuk, A. A.

Bakteriologicheskoe izuchenie kornevogo raka plodovykh derev'ev (Bacteriological study of plant cancer) Trudy Severo-Kavkaz. Inst. Zashch. Rast. (Bull. North Caucas. Inst. Plant Prot.) 8: 69-78. 1933.

Russian with English summary. Crown gall.

Kvashnina, E. S.

Bakterial'nyi gommoz khlopchatnika na Tamanskom Poluostrove po dannym nabli͡udenii v 1931 g. (The bacterial disease (gummosis) of cotton plants in the Taman Peninsular according to survey and research data of 1931) Trudy Severo-Kavkaz. Inst. Zashch. Rast. (Bull. North Caucas. Inst. Plant Prot.) 8: 52-68. illus. 1933.

Russian with English summary.

Lobik, A. A.

Sovremennoe sostoi͡anie voprosa o bolezni͡akh i povrezhdenii͡akh kukuruzy na Severnom Kavkaze (The present status of corn diseases in Northern Caucasus). Trudy Severo-Kavkas. Inst. Zashch. Rast. (Bull. North Caucas. Inst. Plant Prot.) 8: 3-51. illus. 1933.

Russian with English summary.

U.S. Dept. Agr. Miscellaneous mimeographed publications.

Clark, C. F.

The golden potato. Washington, D. C., Ap. 1933. (1.9P772GP)

From Div. Hort. Crops & Dis., U.S. Dept. Agr. Mimeographed.

Howard, N. F. & Fletcher, F. W.

The effect of various commercial calcium arsenates on bean foliage. [Washington, D. C., 1933?[(1.9En83Ef)

Mimeographed. From Bur. Entom., U.S. Dept. Agr.

Vict. Nat. (Melbourne) (410V66)

Coleman, E.

Further notes on the pollination of Cryptostylis subulata (Labill.) Reichb. Vict. Nat. 50: 41-44. pl. vi-vii. Je. 1933. no.2.

Vict. Nat. (cont.)

Lindinger, L.

What is Cryptanthemis slateri Rupp? Vict. Nat. 50: 45. Je.1933. no.2.

Rejoinder by H.M.R. Rupp: p.46-47.

Morris, F. P.

Native and introduced Aizoaceae. Vict. Nat. 50: 27-34. illus., pl. i (col.) Je. 1933. no.2.

La Vida Agr. (Lima) (9.8V66)

Correa Elias, A.

La marchitez o wilt del algodón. I-II. La Vida Agr. 10: 907-920, 994-996. F., Mr. 1933. no.111, 112.

Wochenschr. Brauerei (Berlin) (390.8W81)

Krauss, L.

Ueber frucht- und samenschale von gerste und weizen. Wochenschr. Brauerei 50: 209-212. illus. Jl.8, 1933. no.27.

Zeitschr. Bot.

Böhner, P.

Ueber die thermonastischen blütenbewegungen bei der tulpe. Zeitschr. Bot. 26: 65-107. illus. 1933. no.2/3.

Zeitschr. Indukt. Abstamm. u. Vererbungsl. (Leipzig) (442.8Z34)

Michaelis, P.

Entwicklungsgeschichtlich-genetische untersuchungen an Epilobium. II. Die bedeutung des plasmas für die pollenfertilität des Epilobium luteum-hirsutum-bastardes. Zeitschr. Indukt. Abstamm. u. Vererbungsl. 65: 1-71. illus. 1933. no.1.

Oppenheimer, H. C.

Cytologentische untersuchungen an bastarden knollentragender Solanum-arten. I. Solanum chacoense Bitt. x Solanum tuberosum L. s. str. Zeitschr. Indukt. Abstamm. u. Vererbungsl. 65: 72-98. illus., pl. i-ii. 1933. no.1.

Zentralbl. Bakt. Abt.II. (Jena) (448.3C33)

Stapp, C. & Bortels, H.

Der pflanzenkrebs und sein erreger Pseudomonas tumefaciens. III. Zur frage der bekämpfung. Zentralbl. Bakt. Abt.II, 88: 313-319. illus. Je.30, 1933. no.13/16.

Exp. Stat. Publ.

Bartholomew, R. P., Watts, V. M. & Janssen, G.
The effect of variations in the nutrient media upon the nitrogen, phosphorus, and potassium content of plants with special reference to the tomato. Arkansas Agr. Exp. Stat. Bull. 288. 42 p. Je. 1933. (100Ar42)

Rosen, H. R.
Further studies on the overwintering and dissemination of the fire-blight pathogen. Arkansas Agr. Exp. Stat. Bul. 283. 102 p. illus. May 1933. (100Ar42)

Moore, H. C. & Wheeler, E. J.
Spraying and dusting patotoes in Michigan. Michigan Agr. Exp. Stat. Spec. Bull. 234. 23 p. illus. My. 1933. (100M58S)

New Jersey agricultural experiment station - Dept. of plant pathology.
The Dtuch elm disease. Its Nursery Dis. Notes. v.6, no.1. 4 p. Jl.1933 (464.9N46)

New Jersey agricultural experiment station - Dept. of plant pathology.
Elm chlorosis. Its Nursery Dis. Notes v.5, no.12. 3 p. Je.1933. (464.9N46)

Shear, G. M.
Field and laboratory studies on frenching of tobacco. Virginia Agr. Exp. Stat. Techn. Bull. 49. 14 p. illus. Je.1933. (100V81S)

Cook, H. T. & Walker, H. C.
Rose diseases and insects and their control. Virginia Truck Exp. Stat. Bull. 79: 1053-1066. illus. Ap.1, 1932 (Rec'd Jl. 1933) (100V813B)

State Publications.

Zschokke, T. C.
Poisonous plants now found in the Hawaiian Islands. Agr. Notes Agr. Ext. Serv. Univ. Hawaii no.49. 4 p. My.3, 1933.
Mimeographed.

Young, V. H. & Ware, J. O.
Control of cotton wilt, root knot, and rust. Arkansas Agr. Ext. Serv. Circ. 303. 10 p. illus. Mr.1933. (275-29Ar4)

New Books.

Alber, F.

Die assimilation der kohlensäure und des wassers zu kohlehydraten in der pflanze. München, Bayerische druckerei & verlagsanstalt G.m.b. H., 1933. (463.34A11)

Inaug.-diss. München.

Borza, A. & others.

Guide de sixième excursion phytogéographique internationale, Roumanie, 1931. Redigé par Al. Borza... Cluj Le Jardin botanique de l'Université, 1933. (459.7In8)

Gyhr, M. H.

Beiträge zur anatomie des laubblattes pharmazeutisch gebräuchlicher rosaceendrogen. Colmar, Imprimerie et édition des dernières nouvelles de Colmar, 1930. (463.45G99)

Inaug.-diss. Basel.

National institute of agricultural botany - Potato synonum comm.

Varieties of potatoes with their synonyms immune from and susceptible to wart diseases. Rev. ed., Cambridge, Engl., W. Heffer & Sons, 1933. (75N214)

Toni, J. de.

Bibliographia algologica universalis seu Repertorium totius litteraturae phycologicae hucusque editae. fasc. 2-3. Fori, Typis Valbonesianus, 1932. (461.4T612)

Wisconsin. University - Dept. of botany.

Laboratory directions for general botany, Madison, 1927. (463.1W75)

Zeman, V.

Lepra explosiva nel naranjo, por el ing. agr. Victor Zeman. Corrientes, Imp. casa B. Fages 1932. (464.06R71)

Amylirosa aurantiorum.

Translations filed in Library of Bur. of Plant Industry.

Munerati, O.

Sul probabile meccanismo della eredità nella odierna barbabietola da zucchero e sulle possibilità di in ulteriore perfezionamento del tipo (On the probable mechanism of heredity of the present-day sugar beet and on the possibilities of a further perfection of the type). Boll. Assoc. Ital. Industr. Zucch. 16 (7): 1-16. 0.1923.

BOTANY
CURRENT LITERATURE

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D.C.

LIBRARY
RECEIVED
★ AUG 25 1933 ★
U. S. Department of Agriculture

Vol. 15, no. 16. July 31-Aug. 12, 1933.

Allahabad Univ. Stud. (513A11)
Mitra, A. K.
The comparative values of various fresh juice media in relation to the growth of certain Deuteromycetes. Allahabad Univ. Stud. 8(2):197-225. illus., iii pl. 1932.

Amer. Potato Journ. (75.8P842)
Tilford, P. E.
Potato spraying in Ohio. Amer. Potato Journ. 10:140-141. Jl. 1933. no.7.

Reddick, D. & Crosier, W.
Biological specialization in Phytophthora infestans. Amer. Potato Journ. 10: 129-134. Jl. 1933. no.7.

Angew. Chem. (384Z33)
Kögl, F.
Ueber auxine. Angew. Chem. 46: 469-473. illus. Jl.15, 1933. no.28.
Experiments with Avena sativa.

Ann. Bot. (London) (450An7)
Bolas, B. D. & Melville, R.
The influence of environment on the growth and metabolism of the tomato plants. I. Methods, technique, and preliminary results. Ann. Bot. 47: 673-688. illus. Jl.1933. no.187.

Bowen, E. J.
The mechanism of water conduction in the Musci considered in relation to habitat. II. Mosses growing in damp situations. Ann. Bot. 47: 635-661. illus. Jl.1933. no.187.

Browne, I.M.P.
A fifth contribution to our knowledge of the anatomy of the cone and fertile stem of Equisetum. Ann. Bot. 47: 459-475. illus. Jl. 1933. no.187.

Ann. Bot. (cont.)

Ewart, A. J.
On the preservation of fungi. Ann. Bot. 47: 579-584. illus. Jl.1933. no.187.

Gupta, S. N. D.
Formation of pycnidia in Cytosporina ludibunda by the intermingling of two infertile strains. Ann. Bot. 47: 689-690. Jl. 1933. no.187.

Hall, M. P.
An analysis of the factors controlling the growth form of certain fungi, with especial reference to Sclerotinia (Monilia) fructigena. Ann. Bot 47: 543-578. illus., pl. xxi-xxii. Jl. 1933. no.187.

Hawker, L. E.
The effect of temperature on the geotropism of seedlings of Lathyrus odoratus. Ann. Bot. 47: 503-515. illus. Jl. 1933. no.187.

Jane, F. W.
Teratological studies in the Tubiflorae. I. Abnormalities in the flowers of Antirrhinum majus L. Ann. Bot. 47: 477-502. illus. Jl. 1933. no.187.

Phillis, E. & Mason, T. G.
Studies on the transport of carbohydrates in the cotton plant. III. The polar distribution of sugar in the foliage leaf. Ann. Bot. 47: 585-634. pl. xxiii. Jl. 1933. no.187.

Sen, P. K. & Blackman, V. H.
On the conditions leading to the injection of leaves submerged in water. Ann. Bot. 47: 663-671. illus. Jl. 1933. no.187.

Sparrow, F. J. Jr.
, The Monoblepharidales. Ann. Bot. 47: 517-542. illus., pl. xx. Jl. 1933. no.187.

Warington, K.
The influence of length of day on the response of plants to boron. Ann. Bot. 47: 429-457. pl. xviii-xix. Jl. 1933. no. 187.

Ann. Inst. Pasteur (Paris) (448.3An75)
Dusi, H.
Recherches sur la nutrition de quelques euglénes. I. Euglena gracilis. Ann. Inst. Pasteur 50: 550-597. Ap. 1933. no.4.

Ann. Rep. Dept. Agr. Sierra Leone (24Si2)
Deighton, F. C.
Mycological work. Ann. Rep. Dept. Agr. Sierra Leone 1932: 20-23. 1933.

Ann. Rep. East Malling Res. Stat. (103Ea7)
Harris, R. V. & Grubb, N. H.
The commercial control of raspberry-mosaic disease. Ann. Rep. East Malling Res. Stat. 20th(1932): 149-151. My. 1933.

Harris, R. V.
The infection of raspberry fruits by the cane-spot fungus. Ann. Rep. East Malling Res. Stat. 20th(1932): 86-89. illus., pl. My.1932.

Moore, M. H.
Some incidental effects of routine scab-sprays, with special reference to apple fruit sawfly-control. A sidelight on the interpretation of field spraying experiments. Ann. Rep. East Malling Res. Stat. 20th(1932): 90-98. My. 1933.
Brown rot control: p.97.

Moore, M. H.
Spraying trials against pear scab (Venturia pirina). Some practical and theoretical aspects of the interpretation of the results. Ann. Rep. East Malling Res. Stat. 20th(1932): 99-108. My. 1933.

Arb. Biol. Reichsanst.Land- u. Forstw. Berlin (410.9G31)
Werth, E.
Weitere untersuchungen zur klimatischen bedingheit unserer forstgehölze. I. Die gehölzartenverteilung in Deutschland in der zeit vor der willkürlichen forstwirtschaft des menschen. Arb. Biol. Reichsanst. Land- u. Forstw. Berlin 20: 391-429. maps (1 fold.) 1933. no.4.

Arch. Pharm. & Ber. Deut. Pharm. Ges. (Berlin) (396.8Ar2A)
Mohs, P.
Ueber die glukoside von Digitalis lanata Ehrh. Arch. Pharm. & Ber. Deut, Pharm. Ges. 271: 393-399. Je. 1933. no.6.
Lanadigin, Lanata-glukosid, II, III, IV.

Arch. Pharm. & Ber. Deut. Pharm. Ges. (cont.)

Orechoff, A.

Ueber die alkaloide von Berberis heteropoda. Arch. Pharm. & Ber. Deut. Pharm. Ges. 271: 323-327. Je. 1933. no.6.

Berberin, palmatin, phenolbasen...

Austral. Journ. Exp. Biol. & Med. Sci. (Adelaide) (442.8Au7)

Gurney, H. C.

The cytology of wheat x rye hybrids of the 5th and 6th generation. Austral. Journ. Exp. Biol. & Med. Sci. 11: 123-137. illus. Je.16, 1933. no.2.

Wood, J. G.

The physiology of xerophytism in Australian plants. Carbohydrate changes in the leaves of sclerophyll plants. Austral. Journ. Exp. Biol. & Med. Sci. 11: 139-150. illus. Je.16, 1933. no.2.

Bergcultures (Batavia, Java) (22.5B45)

Hoedt, G. E.

Vegetatieve vermenigvuldiging van Hevea en thee in het verleden, in het heden en in de toekomst. Bergcultures 7: 732-741. Jl. 1, 1933. no.26.

Heusden, W. C.

Het verzamelen en het transport van latex. Bergcultures 7:763-769, Jl.8, 1933 no. 27.

Reydon, G. A.

Een bladziekte bij de koffie. Bergcultures 7: 758-762. illus. Jl.8, 1933. no.27.

Rhizoctonia solani.

Bergens Mus. Arbok. Naturv. Rekke. (502B45)

Nordhagen, R.

Verbreitungsbiologische studien über einige europäische amaryllidaceen. Bergens Mus. Arbok Naturv. Rekke no.5. 36 p. illus., pl.i-iii. 1932.

I. Die gattung Leucojum. II. Die gattung Narcissus.

Nordhagen, R.

Zur morphologie und verbreitungsbiologie der gattung Roscoea SM. Bergens Mus. Arbok Naturv. Rekke no.4. 57 p. illus. 1932.

I. Die gattung Roscoea. II. Die verwandtschaftlichen beziehungen zwischen den gattungen Roscoea und Cautleya.

Bol. Agr. Min. Industr. Colombia (9.4In22)
Perez Arbelaez, E.
Frutas de Cundinamarca. (cont.) Bol. Agr. Min. Industr. Colombia. 6: 183-268. illus. Mr./My. 1933. no.3/5.

Boll. Soc. Venez. Stor. Nat. (Venice) (410.9So126)
Minio, M.
Nota fenologica: sull'analisi di dati numerici che presumono una legge delle fioriture. Boll. Soc. Venez. Stor. Nat. 1: 3-9. N.15, 1932. no.1.

Booklet Ser. Chinese Gov't Bur. Econ. Inform. (Shanghai) (280.9C44)
Shih, C. Y.
Studies in Chinese economic botany. Ed. 2. Booklet Ser. Chinese Gov't. Bur. Econ. Inform. 1. 74 p. illus. [1933?]

Botaniste (Paris) (450B657)
Mao, T. L.
Etude comparative des caractères anatomiques et du parcours des faisceaux libéro-ligneux des chénopodiacées et des amarantacées. Botaniste 25: 141-343. illus., pl. ix-xvi. Je.1933. no.3/4.

Bull. Boston Soc. Nat. Hist. (500B65Bu)
Griscom, L.
Southern New Hampshire, a neglected botanical field. Bull. Boston Soc. Nat. Hist. no.67: 3-7. Ap. 1933.

Bull. Lloyd Library (396.8L77)
Stevenson, J. A.
General index to the mycological writings of C.G. Lloyd 1898-1925. Bull. Lloyd Library no.32. 64 p. 1933.

Bull. Soc. Centr. For. Belgique (99.9B83)
Delevoy, G.
L'emploi du chlorate de soude et de l'occysol comme herbicides. I. Bull. Soc. Centr. For. Belgique 36(ann.40): 273-289. Jl. 1933 no.7.

Bull. Soc. Mycol. France. (Paris) (451P213)
Buchet, S.
De la présence en France du Lycogala conicum Pers. Bull. Soc. Mycol. France 49: 128-129. Je.20, 1933. no.1.

Bull. Soc. Mycol. France. (cont.)

Imler, L.

Crepidotus palmatus (sensu Bresadola) et Psilocybe spadicea (sensu Ricken et Konrad-Maublane) sont identiques. Bull. Soc. Mycol. France 49: 122-125. Je.20, 1933. no.1.

Kühner, R.

Notes sur le genre Inocybe. I. Les Inocybes goniospores. (fin) Bull. Soc. Mycol. France 49: 81-121. illus. Je.20, 1933. no.1.

I. xanthomelas, I. fibrosoides, I. pseudohiulca n.spp.

Melzer, V.

A propos de Russula subfoetens Smith. (Correction et complement). Bull. Soc. Mycol. France 49: 166. Je.20, 1933. no.1.

Pilat, A.

Additamenta ad floram Asiae Minoris Hymenomycetum. III. Meruliaceae, Hydnaceae, Stereaceae, Cyphellaceae, Clavariaceae, Asterostromellineae. Bull. Soc. Mycol. France 49: 34-75. illus., pl. i-vii. Je.20, 1933. no.1.

Phylacteriaceae by V. Litschauer.

Pilat, A.

De Collybiae fusipedis Bull. hymenophore modo abnormali evoluto. Bull. Soc. Mycol. France 49: 78-80. pl. viii. Je.20, 1933. no.1.

Vandendries, R.

Nouvelles investigations dans le domaine sexuel des Hyménomycètes. Bull. Soc. Mycol. France 49: 130-165. illus. Je.20, 1933. no. 1.

Cactus & Succ. Journ. (Los Angeles) (451C11)

Buxbaum, F.

Is Echinocactus beguinii Web. a Thelocactus or a Neolloydia? Cactus & Succ. Journ. 5: 406-407. illus. Jl.1933. no.1.

... "is indubitable a Neolloydia and not a Thelocactus."

Frick, G. A.

Euphorbia lemaireana Boiss. Cactus & Succ. Journ. 5: 403-404. illus. Jl.1933. no. 1.

Johansen, D. A.

Preliminary report on the cytology of the Mesembs. Cactus & Succ. Journ. 5: 408. Jl. 1933. no.1.

Cactus & Succ. Journ. (cont.)
Walther, E.
Still another Graptopetalum. Cactus & Succ. Journ. 5: 411. illus. Jl. 1933. no.1.
Graptopetalum occidentale.

Canad. Journ. Res. (Ottawa) (330.9C16C)
Anderson, J. A.
The yellow coloring matter of Khapli wheat, Triticum dicoccum. III. The constitution of tricin. Canad. Journ. Res. 9: 80-83. Jl. 1933. no.1.

Dearness, J. & Foster, W. R.
Anther and stigma blight of loganberry. Canad. Journ. Res. 9: 43. pl. Jl. 1933. no.1.
Hapalosphaeria deformans.

Newton, W., Hastings, R. J. & Bosher, J. E.
Nematode infestation symptoms on barley as a means of determining the efficiency of chemical as lethal agents against Tylenchus dipsaci Kuhn. Canad. Journ. Res. 9: 37-42. pl. Jl. 1933. no.1.

Newton, W., Hastings, R. J. & Bosher, J. E.
Sterilization of narcissus bulbs by immersion in silver nitrate-potassium cyanide solution in vacuo. Canad. Journ. Res. 9: 31-36. pl. i. Jl. 1933. no.1.
For control of nematodes.

Compt. Rend. Acad. Sci. Paris (505P21)
Corsin, P.
Découverte d'une flore dans le Dévonien infèrieur du Pas-de-Calais. Compt. Rend. Acad. Sci. Paris 197: 180-181. Jl.10, 1933. no.2.

Guilliermond, A.
La structure des cyanophycées. Compt. Rend. Acad. Sci. Paris. 197: 182-184. Jl.10, 1933. no.2.

Miège, E.
Réparration par hybridation spontanée, d'une espèce d'Hordeum (H. intermedium KCK.). Compt. Rend. Acad. Sci. Paris 197: 185-187. Jl.10, 1933. no.2.

Joyet-Lavergne, P.
Contribution à étude du pouvoir oxydant du chondriome. Compt. Rend. Acad. Sci. Paris 197: 184-185. Jl.10, 1933. no.2.
Experiments with Elodea canadensis, Oidium lactis.

Compt. Rend. Soc. Biol. Paris (442.9P21)

Guilliermond, A.

Nouvelles observations sur la structure des bactéries. Compt. Rend. Soc. Biol. Paris 113: 1095-1100. illus. 1933. no.26.

Maire, R. & Malencon, G.

Le belaat, nouvelle maladie du dattier dans le Sahara Algérien. Compt. Rend. Soc. Biol. Paris 113: 1201-1202. 1933. no.26.

Similar to Phytophthora palmivora.

Mangenot, G.

Nouvelles observations concernant l'action des colorants vitaux sur les plasmodes de Fuligo septica Gmel. Compt. Rend. Soc. Biol. Paris 113: 1146-1148. 1933. no.26.

Reilhes, R.

Sur la présence, dans les fleurs de Lilium candidum et de Lilium longiflorum harrisii, de concrétions vacuolaires lipoprotéiques semblables aus stéronoplastes. Compt. Rend. Soc. Biol. Paris 113; 993-996. illus. Jl. 1933. no.25.

Cytologia (Tokyo) (442.8C99)

Beadle, G. W.

Further studies of asynaptic maize. Cytologia 4: 269-287. illus., pl. 6-7. Je. 1933. no.3.

Collins, J. L.

Morphological and cytological characteristics of triploid pineapples. Cytologia 4: 248-256. illus. Je. 1933. no.3.

Darlington, C. D.

Meiosis in Agápanthus and Kniphofia. Cytologia 4: 229-240. illus. Je. 1933. no.3.

Yuasa, A.

Studies in the cytology of Pteridophyta. II. The morphology of spermatozoids of some ferns. Cytologia 4: 305-337. illus., pl. 8-9. Je. 1933. no.3.

Denkschr. Bayer. Bot. Ges. Regensb. (451R26D)

Killermann, S.

Pilze aus Bayern. Kritische studien, besonders zu M. Britzelmayr; standortsangaben u. (kurze) bestimmungstabellen. V. Leucosporae 1 abt. schluss (Omphalia, Pleurotus) und 2 abt. (Marasmius, Cantharelleae und Lactarieae). Denkschr. Bayer. Bot. Ges. Regensb. 19(n.f.13): 1-94. pl. xviii-xxii. 1933.

Denkschr. Bayer. Bot. Ges. Regensb. (cont.)
Mayer, A.
Diatomeen der bayerischen hochebene und aus den alpen. Denkschr. Bayer. Bot. Ges. Regensb. 19(n.f.13): 97-107. 1933.

Ecology (Brooklyn, N.Y.) (410Ec7)
Braun-Blanquet, J.
Phytosociological nomenclature. Ecology 14: 315-317. Jl. 1933. no.3.

Frolik, A. L. & Keim, F. D.
Native vegetation in the prairie hay district of north central Nebraska. Ecology 14: 298-305. Jl. 1933. no.3.

Farming So. Africa. (Pretoria) (24So842)
Moore, E. S.
The crinkly dwarf disease of tobacco. Farming So. Africa 8: 276. illus. Jl. 1933. no.88.

Vorster, P. W.
The chief weeds of grain lands. IV. The "duwweltjie" (Emex australis). Farming So. Africa 8: 263. illus. Jl. 1933. no.88.

Flor. Exch. (N.Y.) (80F666)
White, R. P.
Dutch elm disease in New Jersey. Flor. Exch. 81(30): 18. Jl.29, 1933.
Known infected area spreading within 150 mile suspected zone. Scouting and testing continues.

Formosan Agr. Rev.
Hirama, S.
The improvement of the sweet-potato varieties by crossbreeding and a part of its results. Formosan Agr. Rev. 1933: 631-665. Jl. 1933. no.320.
Japanese.

Fortschr. Landw. (Vienna) (19F77)
Scheibe, A.
Der herkunftswert des hafersaatgutes, bestimmt durch die morphologische und chemische kornanalyse. Fortschr. Landw. 8: 337-344. no.15.

Gard. Bull. Straits Settlem. (Singapore)

Bakhuizen van den Brink, R. C.

Enumeration of Malayan Ebenaceae. Gard. Bull. Straits Settlem. 7: 161-189. pl. 48-50. My.10, 1933. no.2.

With brief descriptions of new and noteworthy species.

Henderson, M. R.

Additions to the flora of the Malay Peninsula. Gard. Bull. Straits Settlem. 7: 87-128. illus., pl. 15-32. My10, 1933. no.2.

Symington, C. F.

Notes on Malayan Dipterocarpaceae. I. Gard. Bull. Straits Settlem. 7: 129-159. pl.33-47. My.10, 1933. no.2.

Gard. Chron. (London) (80G162)

Banfield, F. S.

Some wild flowers of western Australia. Gard. Chron. III, 94: 80-81. Jl. 29, 1933. no.2431.

Fasciation in Nymphaeae. Gard. Chron. III, 94: 78. illus. Jl.29, 1933. no.2431.

Signed: K.W.

Grove, A.

Lilies. 1901-1933. Gard. Chron. III, 94: 80. Jl.29, 1933. no.2431.

Leven, J. K.

Destroyed tree-leaders of conifers. Gard. Chron. III, 94: 64-65. illus. Jl.22, 1933. no.2430.

Ranunculus crenatus and R. bilobus. Gard. Chron. III, 94: 60. Jl.22, 1933. no.2430.

Signed: L.B.C.

Redgrove, H. S.

Spring and early summer in the Cheddar Valley. Gard. Chron. III, 94: 63-64. illus. Jl.22, 1933. no.2430.

Ward, F. K.

Mr. F. Kingdon Ward's eleventh expedition in Asia. XXXIII. Transportation of Alpine plants. Gard. Chron. III, 94: 62-63. Jl.22, 1933. no.2430.

Gartenw. (Berlin) (80G196)
Pape, H.
Die mosaikkrankheit der lilien. Gartenw. 37: 324-325. illus. Jl.7, 1933. no.27.

Heil & Gewürz-Pflanzen. (Munich) (71.8H36)
Reko, V. A.
Toluachi, das ehrwürdige gift der Mayos. Heil & Gewürz-Pflanzen 15: 64-73. Jl.13, 1933. no.2.
Includes list of common and scientific names under toluachi (Datura)

Helvetica Chim. Acta (Basel) (385H36)
Karrer, P. & Walker, O.
Pflanzenfarbstoffe LI. Reines alpha-carotin. Helvetica Chim. Acta 16: 641-643. 1933. no.4.

Hoppe-Seyl. Zeitschr. Phys. Chem. (Berlin) (384Z38)
Euler, H. v., Hellström, H. & Burström, D.
Ueber den chlorophyllgehalt der laubblätter von gerstenmutanten. Hoppo-Seyl. Zeitschr. Phys. Chem. 218: 241-248. Jl.17, 1933. no.5/6.

Indian For. (Dehra Dun) (99.8In2)
Hole, R. S.
Plant pathology in the forests of India. I. Indian For. 59: 438-444. Jl. 1933. no.7.

L'Istria Agr. (Parenzo)
Libutti, D.
L'antracnosi o vaiuolo della vite. L'Istria Agr. 13: 284-289. illus. Jl.15, 1933. no.13.

Journ. Agr. Res. (Washington, D. C.) (1Ag84J)
Blank, L.M. & Walkor, J. C.
Inheritance of Fusarium resistance in Brussels sprouts and kohlrabi. Journ. Agr. Res. 46: 1015-1022. Je.1, 1933 (Rec'd Ag.11) no.11.

Gardner, V.R., Crist, J. W. & Gibson, R. E.
Somatic segregation in a sectorial chimera of the Bartlett pear. Journ. Agr. Res. 46: 1047-1057. illus. Je.1, 1933. (Rec'd Ag.11) no.11.

Journ. Bot. (London) (450J82)

Fritsch, F. E.

Contributions to our knowledge of British algae. V. A British species of Ecballocystis (E. fluitans, sp.nov.) Journ. Bot. 71: 187-196. illus. Jl.1933. no.847.

Olliver, M. & Smith, G.

Byssochlamys fulva, sp.nov. Journ. Bot. 71: 196-197. pl.602. Jl. 1933. no.847.

Rendle, A. B.

John Gerard Koenig. (cont.) Journ. Bot. 71: 175-187. Jl.1933. no.847.

Journ. Dept. Agr. Kyushu Imp. Univ. (Fukuoka, Japan) (107.6K995)

Kojima, H.

Cell division and elongation in the decapitated root of Vicia faba L. Journ. Dept. Agr. Kyushu Imp. Univ. 3: 269-301. Je.25, 1933. no.10.

Journ. Dept. Agr. So. Australia (Adelaide) (23So84)

Johnston, W. C.

A review of some of the cruciferous weeds occurring in South Australia, with particular reference to the lower north. (cont.) Journ. Dept. Agr. So. Australia 36: 1253-1259. illus. Je.15, 1933. no.11.

Journ. N.Y. Bot. Gard. (89N48J)

Dodge, B. O.

The Dutch elm-disease in a neighboring state. Journ. N.Y. Bot. Gard. 34: 170-171. Ag. 1933. no.404.

Meier, F. C.

Billion dollar berries. Journ. N.Y. Bot. Gard. 34: 172-177. Ag. 1933. no.404.

"When we review the history of stem rust through out the world... and when we consider the relationship of the common barberry to this disease, then the first handful of berries which were carried many years ago from Mediterranean lands into the north may well be termed "billion dollar berries".

Small, J. K.

Bromeliads and pine trees. Journ. N.Y. Bot. Gard. 34: 165-170. illus. Ag. 1933. no.404.

Journ. Roy. Micr. Soc. (London) (440.9R81J)

Huskins, C. L. & Hearne, E. M.
Meiosis in asynaptic dwarf oats and wheat. Journ. Roy. Micr. Soc. III, 53: 109-117. iv pl. Je. 1933. no.2.

Journ. Soc. Trop. Agr. Japan (Taiwan) (26So13)

Hosokawa, T.
Notulae leguminosarum ex Asiae-orientale. IV. Journ. Soc. Trop. Agr. Japan 5: 57-61. Mr. 1933. no.1.

Kanehira, R. & Sasaki, S.
An enumeration of Formosan trees in the Taihoku herbarium. V. Journ. Soc. Trop. Agr. Japan 5: 43-53. Mr.1933. no.1.

Matsumoto, T. & Somazawa, K.
Immunological studies of mosaic diseases. III. Further studies on the distribution of antigenic substance of tobacco mosaic in different parts of host plants. Journ. Soc. Trop. Agr. Japan 5: 37-43. illus. Mr.1933. no.1.

Okabe, N.
Bacterial diseases of plants occurring in Formosa. II. Journ. Soc. Trop. Agr. Japan 5: 26-36. illus. Mr. 1933. no.1.

Terada, S. & Yoshitake, K.
A study on the length of days required for the maturity of the bud and boll of cotton plants, with special reference to the soil moisture. Journ. Soc. Trop. Agr. Japan 5: 1-14. Mr. 1933. no.1.
Japanese with English résumé: p.13-14.

Yamamoto, Y.
Observations ad floram Formosanam. VI. Journ. Soc. Trop. Agr. Japan 5: 54-56. Mr. 1933. no.1.

Yamamoto, R.& Chin, S.
On carotinoids in the fruit of Ananas sativus. Journ. Soc. Trop. Agr. Japan 5: 87-89. Mr. 1933. no.1.
Japanese.

Kakteenk. Deut. Kakteen-Ges. (451D482)

Cammerloher, H.

Aloe brunnthaleri Berger in litt. Kakteenk. Deut. Kakteen-Ges. 1933: 131-132. illus. Jl. 1933. no.1.

In Chiles kakteengebienten. I- Kakteenk. Deut. Kakteen-Ges. 1933: 136-137. Jl. 1933. no.1.

Nel, G. C.

Aus dem botanischen garten der universität Stellenbosch. Kakteenk. Deut. Kakteen-Ges. 1933: 133-135. illus. Jl.1933. no.1.

Kosmos (Stuttgart) (474K842)

Pfeiffer, H.

Die entdeckung der heimat: strandpflanzen der deutschen Nord- und Ostseeküste. Kosmos 1933: 281-284. illus., col.pl. Ag. 1933. no.8.

Landw. Jahrb. (Berlin) (18L23)

Baumann, H.

Untersuchungen über die wasserhaushalt ökologisch verschiedener sommerweizensorten. Landw. Jahrb. 77: 835-887. illus. 1933. no.6.

Leafl. West. Bot. (San Francisco) (450L47)

Eastwood, A.

Bottle-brushes recently introduced into California. Leafl. West. Bot. 1: 57. Ag.2, 1933. no.7.

Calothamnus longissimus, C. asper.

Eastwood, A.

New manzanitas from Santa Cruz Island, California. Leafl. West. Bot. 1: 61-63. Ag.2, 1933. no.7.

Arctostaphylos subcordata n.sp., A. pechoensis viridissima, A. insularis pubescens n.var.

Hitchcock, C. L.

The identity of Lycium brevipes Benth. Leafl. West. Bot. 1: 57-58. Ag.2, 1933. no.7.

L. brevipes hassei (L. richii hassei)

Leafl. West. Bot. (cont.)

Howell, J. T.

Field notes on the manzanitas of Santa Cruz Island. Leafl. West. Bot. 1: 63-64. Ag.2, 1933. no.7.

Rose, L. S.

Western species of Oxalis. II. Leafl. West. Bot. 1: 58-60. Ag.2, 1933. no.7.

Madras Agr. Journ. (22M262)

Thomas, K. M.

The foot-rot of paddy and its control. Madras Agr. Journ. 21: 263-272. pl. Je. 1933. no.6.

The disease resembles bakanae of rice in Japan, but the identity of the two has not been established.

Mem. & Proc. Manchester Lit. & Phil. Soc. (501M31M)

Crookall, R.

The relative value of fossil plants in the stratigraphy of the coal measures. Mem. & Proc. Manchester Lit. & Phil. Soc. 76(1931/32): 91-122. pl. i-viii. 1932.

Datta, S.

Some chromosome numbers in British species of Rubus. Mem. & Proc. Manchester Lit. & Phil. Soc. 76(1931/32): 85-89. illus. 1932.

Mém. Soc. Sci. Nancy (505N152M)

Bizot, M. & Gardet, G.

Muscinées du Plateau Lorrain. Mém. Soc. Sci. Nancy 1931: 261-281.

Gardet, G.

Sur quelques associations muscinales des environs d'Allevard (Isère). Mém. Soc. Sci. Nancy 2(1930); 3-22. 1930.

George, L.

Contribution à l'étude anatomique des Gnetum. Mém. Soc. Sci. Nancy 1(1929): 85-88. 1930.

George, L.

Contribution à l'étude des Gnétales. Mém. Soc. Sci. Nancy v.2, 1930, suppl. 171 p. illus., 1 pl. 1930.

Mém. Soc. Sci. Nancy (cont.)

Lenoir, M.
Contribution à la monographie cytologique du Lilium candidum L. Étude vitale des cinèses polliniques. Mém. Soc. Sci. Nancy 1931: 143-188. illus.

Lenoir, M.
Notes illustrées de pathologie végétale. Mém. Soc. Sci. Nancy 1931: 189-213. illus.

Seyot, P.
Les Amanites. Mém. Soc. Sci. Nancy 1(1929): 104-126. illus. 1930.
"C'est dans le but de vulgarises les connaissances élémentaires de mycologique, afin d'arriver à supprimer les empoisonnments mortels, que j'ai publié l'A B C Mycologique".

Vigneron, J.
Sur la présence de laticifères vrais chez deux espèces du genre Epilobium. Mém. Soc. Sci. Nancy 1931: 231-237. 11 pl.
E. spicatum, E. hirsutum.

Mitt. Biol. Reichsanst. Landw. u. Forstw. Berlin (410.9G31M)

Berlin Biologische reichsanstalt für land- und forstwirtschaft.
Methoden zur prüfung von pflanzenschutzmitteln. IV-VI. Mitt. Biol. Reichsanst. Landw. u. Forstw. Berlin no.46. 94 p. illus. Ap.1933.
IV. Neue apparate und methoden. V. Beiträge zur giftwertbestimmung und zur kenntnis der giftwirkung von artenverbindungen. VI. Nachwirkungen verschiedener insektizide auf seidenspinner.

Goffart, H.
Ueber die nematodenfauna der kartoffel. Mitt. Biol. Reichsanst. Landw. u. Forstw. Berlin no.47. 30 p. illus. Mr.1933.

Möller's Deut. Gärten.-Zeit. (Erfurt) (80M73)

Otte, H.
Die ulmen-krankheit. Möller's Deut. Gärtn.-Zeit. 48: 251-252. Jl.21, 1933. no.21.
Erwiderung auf die beiden angriffe in nummer 18.

Storck, A.
Gegen mehltau auf clematis. Möller's Deut. Gärtn.-Zeit. 48: 243. Jl.21, 1933. no.21.
Erysiphe communis.

Mycologia (450M99)

Davidson, R. W. & Cash, E. K.
Species of Sclerotinia, from Grand Mesa National Forest, Colorado. Mycologia 25: 266-273. pl.36-38. Jl./Ag. 1933. no.4.
S. veratri, S. coloradensis, S. foliicola, S. paludosa, n.spp.

Hedrick, J.
New genera and species of lichens from the herbarium of Bruce Fink. I- Mycologia 25: 303-316. Jl./Ag. 1933. no.4.

Miller, J. H.
Some new species of Hypoxylon. Mycologia 25: 321-329. illus., pl. 39-40. Jl./Ag. 1933. no.4.
H. aeruginosum, H. croceum, H. erythrostroma, H. mulleri, H. cinereo-lilacinum.

Miller, L. W.
The genera of Hydnaceae. Mycologia 25: 286-302. Jl./Ag.1933. no.4.
Oxydontia gen.nov.

Shear, C. L.
Life histories of Tryblidiella species. Mycologia 25: 274-285. illus. Jl./Ag. 1933. no.4.

Sherbakoff, C. D.
A new fungus parasitic on nematodes. Mycologia 25: 258-262. pl.35. Jl./Ag. 1933. no.4.
Anulosporium (gen.nov.) A.nematogenum

Tehon, L. R.
Notes on the parasitic fungi of Illinois. Mycologia 25: 237-257. pl.34. Jl./Ag. 1933. no.4.

Truscott, J. H. L.
Observations on Lagena radicicola. Mycologia 25: 263-265. illus. Jl./Ag. 1933. no.4.

Weston, W. H., Jr.
Dr. Thaxter's metal guard for microscope slides. Mycologia 25: 317-320. illus. Jl./Ag. 1933. no.4.

Nature (London) (472N21)
Bawden, F. C.
Infra-red photography and plant virus diseases. Nature 132: 168. illus. Jl.29, 1933. no.3326.
Experiments with potato and tobacco.

Brooks, S. C.
Accumulation of ions by living cells. Nature 132: 97-98. Jl.15, 1933. no.3324.
Valonia & Nitella.

Weed destruction by chemicals. Nature 132: 122-123. illus. Jl.22, 1933. no.3325.
Sulphuric acid.

New Zeal. Journ. Sci. & Techn. (Wellington) (514N48)
Chamberlain, E. E. & Brien, R. M.
Verticillium- wilt of potatoes and tomatoes in New Zealand. New Zeal. Journ. Sci. & Techn. 14: 366-371. illus. Je.1933. no.6.

Doak, B. W.
A chemical method for the determination of type in white clover. New Zeal. Journ. Sci. & Techn. 14: 359-365. illus. Je. 1933. no.6.

North West. Nat. (Arbroath, Scotland) (410N81)
Elliot, G. F. S.
The blackthorn, Prunus spinosa L. (cont.) North West. Nat. 8: 96-100. Je. 1933. no.2.

Paton, C. I.
A list of flowering plants, ferns, and horsetails of the Isle of Man. North West. Nat. v.8, Suppl. p.1-16. Je. 1933. no.2.

Nuovo Giorn. Bot. Ital. (Firenze) (450N92)
Cengia-Sambo, M.
Fragmenta lichenolgica. II. Una nuova sezione del Gen. Caloplaca Th. Fr. ed altre entità nuove Nuovo Giorn. Bot. Ital. 40: 281-287. illus. Jl.10, 1933. no.2.

Ciferri, R.
Ustilaginales esotici nuovi o rari. I. Nuovo Giorn. Bot. Ital. 40: 252-268. illus. Jl.10, 1933. no.2.

Marcello, A.
Osservazioni microbiologiche sui nettarii di piante alpine. Nuovo Giorn. Bot. Ital. 40: 269-280. pl.x. Jl.10, 1933. no.2.

Nuovo Giorn. Bot. Ital. (cont.)

Pampanini, R.

Settimo ed ultimo contributo alla conoscenza dell' Artemisia verlotorum Lamotte. Nuovo Giorn. Bot. Ital. 40:183-224. illus., pl.vi-viii. Jl.10,1933. no.2.

Passerini, N.

Sul probabile significato biologico dei cosiddetti semi duri. Nuovo Giorn. Bot. Ital. 40:230-251. Jl.10,1933. no.2.

Scaramella, P.

Lipoidi e amido nelle piante di alta montagna. Nuovo Giorn. Bot. Ital. 40:288-298. Jl.10,1933. no.2.

Sempio, C.

Violenti attacchi della Discula platani (Peck) Sacc. sui Platani di alcune zone dell'Italia centrale. Nuovo Giorn. Bot. Ital. 40:299-303. Jl.10,1933. no.2.

Nyt Mag. Naturvidensk. (Oslo) (410N99)

Braarud, T.

Die höhere vegetation einiger seen in Nord-Trøndelag Fylke (Norwegen). Nyt Mag. Naturvidensk. 71:73-93. illus.(map). 1932.

Breien, K.

Vegetasjonen på skjellsandbanker i indre Østfold. Nyt Mag. Naturvidensk. 72:131-282. illus. 1933.

Hanssen, J.

Misteltеinen i Norge. Nyt Mag. Naturvidensk. 72:283-340. illus. 1933.

Holmboe, J.

Spredte bidrag til Norges flora. II. Nyt Mag. Naturvidensk. 71:147-184. illus. 1932.

Jørgensen, R.

Karplantenes høidegrenser i Jotunheimen. Nyt Mag. Naturvidensk. 72:1-130. illus. 1933.

Omang, S. O. F.

Species generis Hieraciorum novae. Nyt Mag. Naturvidensk. 71:95-145. 1932.

Nyt Mag. Naturvidensk. (cont.)

Robak, H.

Investigations regarding fungi on Norwegian ground wood pulp and fungal infection at Wood Pulp Mills. Nyt Mag. Naturvidensk. 71:185-330. illus. 1932.

Myxotrichum carminoparum, Ceratostomella stenoceras, Oidiodendron (n. gen.), O. nigrum, O. fuscum, O. rhodogenum.

Obst- u. Gemüseb. (Berlin) (80P7750)

Heydemann, F.

Eine seltene metaxenie beim apfel. Obst- u. Gemüseb. 79:100-101. illus. Jl.15,1933. no.7.

Ludwigs, K.

Das Fusikladium in seiner abhängigkeit von klima, standort, obstarten und -sorten. Obst- u. Gemüseb. 79:101-102. Jl.15,1933. no.7.

Passecker, F.

Die befruchtungsverhältnisse der kern- und steinobstsorten. Obst- u. Gemüseb. 79:98-100. illus. Jl.15,1933. no.7.

Onze Ploeg Landb. Maandschr. (Leuven) (130n9)

Aertssen, A.

De invloed van het kalken op de flora der graslanden. Onze Ploeg Landb. Maandschr. 12:202-205. Jl.1933. no.7.

Planta Arch. Wiss. Bot. (Berlin) (450P693)

Guttenberg, H. v.

Reizperzeption und wuchsstoffwirkung. Planta Arch. Wiss. Bot. 20:230-232. Jl.10,1933. no.1.

Experiments with Avena.

Langue, F.

Ueber die blattentwicklung der Crataegomespili von bronvaux und ihrer elternarten. Planta Arch. Wiss. Bot. 20:1-44. illus. Jl.10,1933. no.1.

Meyer, F. J.

Die diaphragmen in den blättern der Pandanales. Planta Arch. Wiss. Bot. 20:194-200. illus. Jl.10,1933. no.1.

Seybold, A. & Brambring, F.

Ueber die thermischen eigenschaften der laubblätter. I. Planta Arch. Wiss. Bot. 20:201-229. illus. Jl.10,1933. no.1.

Planta Arch. Wiss. Bot. (cont.)

Weise, R.

Ueber beeinflussung der Cladoniapodetien in ihrer wachstumsrichtung und stellung. Planta Arch. Wiss. Bot. 20:166-193. illus. Jl.10, 1933. no.1.

Welton, M.

Physiologisch-ökologische untersuchungen über den wasserhaushalt der pflanzen mit besonderer berücksichtigung der wasserabgabewiderstände. Planta Arch. Wiss. Bot. 20:45-165. illus. Jl.10,1933. no.1.

Pflanzenbau (Berlin) (18P48)

Aufhammer, G.

Unterscheidungsmerkmale von winter- und sommergerste, an körnern und keimlingspflanzen beobachtet. Pflanzenbau 9:449-459. illus. Je.1933. no.12.

Pharm. Journ. (London) (396.8P49)

Dewar, T.

The histology of the leaves of Digitalis thapsi. Pharm. Journ. 131(IV,77):147-148. illus. Jl.29, 1933. no.3639.

Abstract of paper read at British pharmaceutical conference, 1933.

Wallis, T. E. & Dewar, T.

Buchu and the leaves of other species of Barcosma. A comparative study of their anatomy. Pharm. Journ. 131(IV,77):131-132. illus. Jl.29,1933. no.3639.

Abstract of paper read at British pharmaceutical conference, 1933.

Proc. Georgia-Florida Pecan Grow. Assoc. (94.69G29)

Demaree, J. B.

Progress of pecan rosette control. Proc. Georgia-Florida Pecan Grow. Assoc. 27(1933):38-45. 1933.

Progr. Act. Chicago Acad. Sci. (500C43P)

Graham, V. O.

Mushrooms of the Chicago region. Progr. Act. Chicago Acad. Sci. 4:43-63. illus. Jl.1933. no.3.

Progreso Agr. y Pec. Madrid (15P94)

Muñoz-Palao, F. M.

La palmera datilera como planta forrajera. Nueva orientación de este cultivo III. Progreso Agr. y Pec. Madrid 39:521-524. illus. Jl.22, 1933. no.1783.

Protoplasma (Leipzig) (442.8P94)

Bank, O.

Die umkehrbare entmischung des kernes bei Allium cepa und im Arbacia-ei. Protoplasma 19:125-131. Je.1933. no.1.

Höber, R.

Ueber den einfluss des elektrischen stroms auf die permeabilität von pflanzenzellen. Protoplasma 19:26-29. Je.1933. no.1.

Erwiderung auf die mitteilung von Gicklhorn und Dejdar.

White, P. R.

Plant tissue cultures. Results of preliminary experiments on the culturing of isolated stem-tips of Stellaria media. Protoplasma 19:97-116. illus. Je.1933. no.1.

White, P. R.

The .SH radical and some other sources of sulfur as affecting growth of isolated root tips of wheat seedlings. Protoplasma 19:132-135. illus. Je.1933. no.1.

Rev. Bot. Appl. (Paris) (26R323)

Camus, A.

Chevalierella. Genre nouveau de graminées congolaises. Rev. Bot. Appl. 13:421-423. illus. Je.1933. no.142.

Chevalierella (C. congoensis).

Chevalier, A.

Une plante à fibres textiles du Soudan le Securidaca longepedunculata. Rev. Bot. Appl. 13:427-428. Je.1933. no.142.

Kervegant, D.

Introduction à l'étude des variétés de bananiers à fruits comestibles de la Martinique. (concl.). Rev. Bot. Appl. 13:415-420. Je. 1933. no.142.

Rev. Bot. Appl. (cont.)

Roussopoulos, N.
Sur les pépins du raisin de Corinthe. Rev. Bot. Appl. 13:402-409. Je.1933. no.142.
Vitis corinthiaca.

Tanaka, T.
Acclimatation des citrus hors de leur pays d'origine. I. Rev. Bot. Appl. 13:389-398. Je.1933. no.142.

Roberty, G.
Notes au sujet de l'alfa et de quelques plantes affines. (cont.). Act. Compt. Rend. Assoc. Colon.-Sci. 9:136-140. Je.1933. no.96. (With Rev. Bot. Appl. v.13, no.142.)

Rev. Path. Vég. & Entom. Agr. (Paris) (464.9Sol)

Arnaud, G. & Gaudineau, M.
Le traitement de la carie du blé (1930-31 et 1931-32). Rev. Path. Vg. & Entom. Agr. 20:188-196. Ap./My.1933(Rec'd Ag.2). no.4/5.

Barthelet, J.
Le blotch fumeux des pommes [Gloeodes pomigena (Schw.) Colby]. Rev. Path. Vég. & Entom. Agr. 20:135-138. pl.iv. Mr.1933 (Rec'd Ag.2). no.3.

Bouriquet, G.
Une scrophulariacée parasite du riz à Madagascar. Rev. Path. Vég. & Entom. Agr. 20:149-151. Mr.1933(Rec'd Ag.2). no.3.
Rhamphicarpa longiflora.

Foex, E. & Rosella, E.
Quelques observations sur le piétin des céréales. Rev. Path. Vég. & Entom. Agr. 20:172-187. Ap./My.1933(Rec'd Ag.2). no.4/5.

Gard, M.
Quelques points d'histoire relatifs à la maladie du pin maritime (Pinus pinaster Sol.) programme d'expériences. Rev. Path. Vég. & Entom. Agr. 20:128-134. Mr.1933(Rec'd Ag.2). no.3.

Kuhnholtz-Lordat, G.
Les foyers permanents. Rev. Path. Vég. & Entom. Agr. 20:118-127. illus., pl.iii. Mr. 1933(Rec'd Ag.2). no.3.

Rev. Path. Vég. & Entom. Agr. (cont.)

Siemaszko, W.

Quelques observations sur les maladies des plantes en Pologne. Rev. Path. Vég. & Entom. Agr. 20:139-148. pl.v. Mr.1933(Rec'd Ag.2). no.3.

Rhodesia Agr. Journ. (Salisbury) (24R34)

Christian, H. B.

Notes on African aloes. X. Rhodesia Agr. Journ. 30:585-587. 3 pl. Jl.1933. no.7.

A. thraskii, A. arborescens, A. transvaalensis.

Rhodora (Boston) (450R34)

Eaton, R. J.

Another Massachusetts station for Calluna vulgaris. Rhodora 35:294. Ag.1933. no.416.

Essex County Club, Manchester, Mass.

Fernald, M. L.

Glyceria arkansana in western New York. Rhodora 35:294. Ag.1933. no.416.

Fernald, M. L.

The New York record of Fraxinus profunda. Rhodora 35:293. Ag.1933. no.416.

Fernald, M. L.

Recent discoveries in the Newfoundland flora. (cont.) Rhodora 35:265-283. illus.(maps), pl.255-260. Ag.1933. no.416.

Gustafson, A. H.

A teratological specimen of Cypripedium acaule. Rhodora 35:263-264. illus. Ag.1933. no.416.

Norton, A. H.

Notes on Triglochin palustris and Montia lamprosperma in Maine. Rhodora 35:291-292. Ag.1933. no.416.

Schuh, R. E.

A second station for Isthmoplea in North America. Rhodora 35:293. Ag.1933. no.416.

North Brooklin, Me.

Steyermark, J. A.

Notes on Missouri plants. Rhodora 35:283-291. Ag.1933. no.416.

Schrift. Reichskur. Techn. Landw. (Berlin) (58.8G318)

Kessler, C. W.

Die wasseraufnahme der pflanzen durch die blätter und ihre bedeutung für die feldberegnung. In Die feldberegnung II, Schrift. Reichskur. Techn. Landw. 38:111-118. illus. 1933.

Scient. Agr. (Ottawa) (7Sci2)

Gfeller, F., Derrick, R. A. & Fraser, J. G. C.

Yarovization or vernalization of cereal crops. Scient. Agr. 13:728-729. illus. Jl.1933. no.11.

Groh, H.

Some recently noticed mustards. Scient. Agr. 13:723-727. Jl.1933. no.11.

Erucastrum gallicum, Sisymbrium, Rorippa austriaca, Rapistrum spp.

Sanford, G. B. & Broadfoot, W. C.

The relative susceptibility of cultivated and native hosts in Alberta to stripe rust. Scient. Agr. 13:714-721. Jl.1933. no.11.

Scient. Month. (470Sci23)

Ha-Reubeni, E.

Biblical botany and Arabic lore. Scient. Month. 37:147-148. Ag.1933. no.2.

True, R. H.

Gardens of trees. Scient. Month. 37:167-169. Ag.1933. no.2.

Warren, L. E.

Poison ivy and poison sumac. Scient. Month. 37:169-173. Ag.1933. no.2.

Soil Sci. (Baltimore) (56.8So3)

Hagan, H. R.

Hawaiian pineapple field temperatures in relation to the nematode Heterodera radicicola (Greef) Müller. Soil Sci. 36:83-95. Ag.1933. no.2.

So. African Gard. (Johannesburg) (80So87)

Plants new or noteworthy. South African plants cultivated in the National botanic gardens Kirstenbosch, and in our readers' gardens. (cont.). So. African Gard. 23:167. illus. Jl.1933. No.7.

Freesia elimensis, Morea incurva, Aloe mutabilis, A. amoena n. spp.

Trans. Nat. Hist. Soc. Formosa (J410.9N19)

Goto, K.

Sclerotium rolfsii Sacc. in perfect stage. I. Some correlation between sporation and cultural characteristics. Trans. Nat. Hist. Soc. Formosa 23:37-43. F.1933. no.124.

Hosokawa, T.

Florula Liukiusyoensis. II. Trans. Nat. Hist. Soc. Formosa 23:30-36. F.1933. no.124.

Simada, Y.

Plants of Senkyakuseki virgin forests in Schinchiku coast strand. (cont.). Trans. Nat. Hist. Soc. Formosa 23:24-30. F.1933. no.124.

Japanese.

Yamamoto, W. & Ito, T.

Studies on the white pocket rot or "renkon-kusare" of Chamaecyparis formosensis Mats. II. Trans. Nat. Hist. Soc. Formosa 23:44-54. F.1933. no.124.

Japanese with English résumé.

Yamamoto, Y.

Species novae orchidacearum ex insula Ponape. (Micronesia). Trans. Nat. Hist. Soc. Formosa 23:20-23. illus. F.1933. no.124.

Arundina kanehirae, Vanilla ponapensis.

Tropenfl. (Berlin) (26T75)

Herndlhofer, E.

Menge und verteilung von protein, coffein, mono- und diaminosäuren in der kaffeepflanze und deren monatliche schwankungen während einer vegetationsperiode. Tropenfl. 36:279-308. Jl.1933. no.7.

Trop. Agr. (26T751)

Murray, R. K. S.

A note on sun-scorch of budgrafts. Trop. Agr. 80:349-351. Je.1933. no.6.

Parsons, T. H.

Vegetative propagation. Trop. Agr. 80:359-361. pl.iii-v. Je.1933. no.6.

Trop. Agriculture West Indies (Trinidad) (26T754)

Cheesman, E. E., Wardlaw, C. W. & Spencer, G. L.

The Cavendish group of banana varieties with special reference to Lacatan. Trop. Agriculture West Indies 10:218-221. Ag.1933. no.8.

Trop. Agriculture West Indies (cont.)
Maize stripe disease. Trop. Agriculture West Indies 10:221. Ag.1933. no.8.
Signed: R.E.D.B.

Thorold, C. A.
Fusarium wilt disease of Sunn hemp. II. Trop. Agriculture West Indies 8:176-177. Jl. 1931. no.7.

Wardlaw, C. W. & McGuire, L. P.
Cultivation and diseases of the banana in Brazil. II. Diseases. Trop. Agriculture West Indies 10:211-217. Ag.1933. no.8.

Die Umschau (Frankfurt) (474Um7)
Stoye, K.
Tier und pflanze im kurzwellenfeld. Die Umschau 37:565-566. illus. Jl.15,1933. no.29.

Includes results of experiments on peas and beans with use of variometer.

Univ. Iowa Stud. Nat. Hist. (500Io9)
Gilbert, H. C. & Martin, G. W.
Myxomycetes found on the bark of living trees. In Papers on Iowa fungi IV. Univ. Iowa Stud. Nat. Hist. 15(3):1-8. 1933.

Rogers, D. P.
Some noteworthy fungi from Iowa. In Papers on Iowa fungi IV. Univ. Iowa Stud. Nat. Hist. 15(3):9-22. 3 pl. 1933.

Rogers, D. P.
Taxonomic notes on the Tulasnellaceae. In Papers on Iowa fungi IV. Univ. Iowa Stud. Nat. Hist. 15(3):31-32. 1933.

Věda přirodni (Prague) (410V51)
Vinikl$\acute{a}$ř, L.
Dvě zajímavé rostliny cykasovité z českého útvaru křídového. Věda přirodni 14:193-199. illus., 2 pl. 1933. no.7.

Czech.

Veröffentl. Staatl. Stelle Natursch. Württ. Landes. Denkmalpfl. (410.9W96)

Gradmann, R.
Steppenheidepflanzen in Oberschwaben. Veröffentl. Staatl. Stelle Natursch. Württ. Landes. Denkmalpfl. 9:5-13. illus. (maps). 1933.

Kreh, W.
Das pflanzenkleid der umgebung von Stuttgart. Veröffentl. Staatl. Stelle Natursch. Württ. Landes Denkmalpfl. 9:37-74. illus. 1933.

Zimmermann, W.
Bemerkenswerte rassen schwäbischer pflanzen. I-IV. Veröffentl. Staatl. Stelle Natursch. Württ. Landes Denkmalpfl. 9:20-36. illus. 1933.

Versl. en Meded. Plantenziektenk. Dienst Wageningen (464.9W122)

Hus, P.
Zeikten en beschadigingen van klein fruit (bessen, frambozen, aardbeien). Versl. en Meded. Plantenziektenk. Dienst Wageningen. no.70. 41 p. vi pl. Je.1933.

Verslag Proefstat. Java-Suikerindustrie (Soerabaia) (109.5J323J)

Java. Proefstation voor de Java-suikerindustrie
Phytoapthologisch onderzoek. In its Verslag 1931:49-53.

Věstník Českosl. Akad. Zeměd. (Prague) (19.5C332)

Kavina, K.
Za zvěčnělým Dr. J. Sv. Procházkou. (Nous commémorons le feu Dr. Jan Sv. Prochazka). Věstník českosl. Akad. Zeměd. 9:439-441. port. 1933. no.6/7.

Mrkos, J. & Novák, V.
Mrazová katastrofa čsl. ovocnictví roku 1928/29 ve vztahu k meteorologickým poměrům. (Die frostkatastrophe des čel. obstbaus im jahre 1928/29 in ihrer beziehung zu den meteorologischen verhältnissen.). Věstník Českosl. Akad. Zeměd. 9:384-389. illus. (maps). 1933. no.6/7.
German translation: p.387,389.

Věstník Českosl. Akad. Zeměd. (cont.)

Scholz, J.
Postlizňové dozrávání některých pšeničných odrůd, zvláště českoslovenshých. (The after-ripening of some wheat varieties especially Czechoslovakian). Věstník českosl. Akad. Zeměd. 9:403-409. 1933. no.6/7.
English summary: p.408-409.

Šimon, J.
Vadnutí bramborů působením abnormálního horka a sucha v roce 1932. (Welken der kartoffeln unter der wirkung der abnormalen hitze und trockenheit im jahre 1932). Věstník Českosl. Akad. Zeměd. 9:396-402. illus. 1933. no.6/7.
German résumé: p.402.

Zeitschr. Indukt. Abstamm. u. Vererbungsl. (Leipzig) (442.8Z34)

Fischbach, C.
Untersuchungen an den beiden heterostylen leinarten Linum hirsutum und Linum viscosum und ihren bastarden (L. hirsutum ♀ x L. viscosum ♂ und L. viscosum ♀ x L. hirsutum ♂). Zeitschr. Indukt. Abstamm. u. Vererbungsl. 65:180-242. illus. 1933. no.2.

Hiorth, G.
Genetische versuche mit Collinsia. III. Koppelungsuntersuchungen bei Collinsia bicolor. Zeitschr. Indukt. Abstamm. u. Vererbungsl. 65: 253-277. 1933. no.2.

Kuckkuck, H.
Untersuchungen über koppelung bei Antirrhinum majus. III. Zur lokalisation von drei weiteren genen im uni-chromosom. Zeitschr. Indukt. Abstamm. u. Vererbungsl. 65:243-252. 1933. no.2.

Rudloff, C. F.
Zur polarisation in der reduktionsteilung hetergamer Oenotheren. 2. Der flavisubcurva-fall. I. Zeitschr. Indukt. Abstamm. u. Vererbungsl. 65:147-179. illus. 1933. no.2.

Schick, R.
Untersuchungen über koppelung bei Antirrhinum majus. IV. Die lokalisation von fünf weiteren genen im aurea-chromosom. Zeitschr. Indukt. Abstamm. u. Vererbungsl. 65:293-313. 1933. no.2.

Zeitschr. Pflanzenernähr. Düng. u. Bodenk. A, Wiss. Teil (Leipzig) (384Z343A)

Sekera, F.

Ueber die beziehungen zwischen der nährstoff- und wasserversorgung der pflanze. Zeitschr. Pflanzenernähr. Düng. u. Bodenk. A, Wiss. Teil 30:26-37. illus. 1933. no.1/3.

Exp. Stat. Publ.

Idaho. Agricultural experiment station

Plant pathology. In Work and progress of the agricultural experiment station for the year ending December 31, 1932. Idaho Agr. Exp. Stat. Bull. 197:45-48. My.1933. (100Idl).

New Books

Albizzati, C. M.

La palta, avocado o aguacate; "Persea americana" de Miller; comosicion química y su valor alimenticio. La Plata, Taller de impresiones oficiales, 1932. (93.41A11).

Bonnier, G. & Douin, R.

Flore complète illustrée en couleur de France ... Suisse et Belgique. v.12, f. 115. pl.685-690. Paris, [1933]. (f°459B64).

Bresadola, G.

Iconographia mycologica XXV. Mediolani, 1933. (462B75I).

Grundell, R.

Zur anatomie von Myrothamnus flabellifolia Welw. Uppsala, A. B. Lundequistska Bokhandeln, 1933 (Symbolae botanicae Upsaliensis 2). (451Up72).

Hanmer, T.

The garden book of Sir Thomas Hanmer, bart. with an introduction by Eleanour Sinclair Rohde. London, G. Howe, 1933. (96H19).

Kirchner, O. v.

Lebengeschichte der blütenpflanzen Mitteleuropas... Fortgefuhrt von W. Wangerin, C. Schröter ... lfg. 44 (bd.2, abt.1: Moraceae, von Hans Walter) Stuttgart, E. Ulmer, 1933. (45K633).

Kunde, W.

Ueber die geschwindigkeit der aufnahme von K-ionen durch die pflanze. Bremen, 1931? (463.34K96).

New Books (cont.)

Robbins, W. W. & Ramaley, F.
Plants useful to man. Philadelphia, P. Blakiston's son & co., 1933. (452.8R53)

Scott, D. H. & Brooks, F. T.
An introduction to structural botany. pt. I Flowering plants. Ed.11. London, A. & C. Black, 1927. (463Sco3I).

Zahlbruckner, A.
Catalogus lichenum universalis v.9, bog.1-10. Leipzig, Borntraeger, 1933. (461.5Z1C).
Index, A-Cornicularia (in pt.).

Reprints from Journals (not available).

Leick, E. & Propp, G.
Bodentemperaturen und pflanzenwuchs in ihren wechselseitigen beziehungen auf der insel Hiddensee. I-II. Reprinted from Mitt. Naturw. Ver. Neuvorpommern u. Rügen 57/58:79-113. illus. 1931.

Translations filed in Library of Bur. of Plant Industry.

Rehder, A.
Zur geschichte der geholzeinführungen nach Nordamerika (Concerning the history of the introduction of woody plants into North America). Mitt. Deut. Dendrol. Ges. 44:114-121. 1932.

Correction.

v.15, no.11, p.36; no.14, p.13-14.
Difesa Piante Torino vol. no. should be 9 instead of 27, and 10 instead of 28.

v.15, no.15, p.29.
Under Phytopath. The second article should have Steiner, G. & Buhrer, E. M. as authors.

v.15, no.12, p.12-13.
Genetics (442.8G28) should be Genetica (The Hague) (442.8G282), and the heading under each article Genetica.

Non-current indexing.

Ann. Scient. Univ. Jassy (475J31)

Papp, C.
Contribution à la systématique des bryophytes de la Moldavie, suivie de quelques considérations bryogéographiques. Ann. Scient. Univ. Jassy 17:217-227. illus. S.1931. no.3/4.

Non-current indexing (cont.)

Ann. Scient. Univ. Jassy (cont.)
Papp, C.
Quelques mots sur la présence d'Ophioglossum vulgatum L. aux environs de Jassy. Ann. Scient. Univ. Jassy 17:228-230. S.1931. no.3/4.

Ann. Rep. Dept. Agr. New Zealand (23N48)
Cunningham, G. H.
Mycology section. Ann. Rep. Dept. Agr. New Zealand 1930/31:43-45. 1931.

Intern. Rev. Agr. (Rome) (241In82)
Gescher, N. v.
Practical immunisation of plants by genetic methods. Intern. Rev. Agr. 23(T):287-291. Ag.1932. no.8.

Memor. Soc. Fauna & Flora Fenn. (Helsingfors) (511H365Me)
Cedercreutz, C.
Süsswasseralgen aus Petsamo. II. Memor. Soc. Fauna & Flora Fenn. 7(1930/31):236-248. illus. 1932.

Eklund, O.
Alliaria officinalis Andrz. und Festuca polesica Zapal. für Regio aboënsis neu. Memor. Soc. Fauna & Flora Fenn. 7(1930/31):38-41. illus. (map). 1931.

Eklund, O.
Botaniska resor i Åbo skärgård sommaren 1930. Memor. Soc. Fauna & Flora Fenn. 7(1930/31):31-36. 1931.

Eklund, O.
Crambe maritima L. im Nordbaltischen gebiet. Memor. Soc. Fauna & Flora Fenn. 7(1930/31):41-51. illus. (incl.map). 1931.

Gyelnik, V.
Eine neue Peltigera-art aus kola-Lappland. Memor. Soc. Fauna & Flora Fenn. 7(1930/31):143-145. illus. 1931.
Peltigera ponojensis.

Häyrén, E.
Algenfunde an den meeresufern von Brahestad. Memor. Soc. Fauna & Flora Fenn. 7(1930/31):174-178. 1931.

Memor. Soc. Fauna & Flora Fenn. (cont.)

Häyrén, E.
Ny fyndort för Ustilago grandis Fries. Memor. Soc. Fauna & Flora Fenn. 7(1930/31):235. 1932.
On Phragmites communis in Finland.

Kotilainen, M. J.
Exkursion nach Ladoga-Karelien (Laatokan Karjala) 8.-14. Juni 1930. Memor. Soc. Fauna & Flora Fenn. 7(1930/31):85-92. 1931.

Linkola, K.
Ramalina angustissima (Anzi) Vain. in Binnen-Finnland. Memor. Soc. Fauna & Flora Fenn. 7(1930/31):261-267. 1932.

Linkola, K.
Ueber die hauptzüge der vegetation und flora in den gegenden nördlich vom Ladogasee. Memor. Soc. Fauna & Flora Fenn. 7(1930/31):68-85. illus. (maps). 1931.

Lynge, B.
Rhizocarpon nitidum Lynge n. sp. Memor. Soc. Fauna & Flora Fenn. 8(1930/31):145-146. illus. 1931.

Palmgren, A.
Blechnum spicant (L) Sm. i Finland. Memor. Soc. Fauna & Flora Fenn. 7(1930/31):178-193. illus. 1932.

Pettersson, B.
Notes on the first stages of flora on burnt ground. Memor. Soc. Fauna & Flora Fenn. 7(1930/31):119-139. 1931.
Archipelago east of Helsingfors.

Railonsala, A.
Lappfjärdin pitäjän putkilokasvisto. Memor. Soc. Fauna & Flora Fenn. 7(1930/31):92-119. 1931.
Vascular plants of the parish of Lappfjärdin.

Skottsberg, C.
Juan Fernandez-öarnas växtsamhällen. Memor. Soc. Fauna & Flora Fenn. 7(1930/31):248-254. 1932.

Non-current indexing (cont.)

Proc. Crop Sci. Soc. Japan (22.5C88)

Kosaka, H.

Relations of the presence of antocyan pigments in the vegetative organs of certain crop plants to their assimilation. Proc. Crop Sci. Soc. Japan 4:108-114. Je.1932. no.2.

In Japanese. What seems to be a German summary of this paper appears in Japan. Journ. Bot. 6:(71) My.1933, but paging is given for v.4, no.1; however there is no such article in v.4, no.1.

Yoshida, K.

Studies on the germination of pollen grains of rice. Proc. Crop Sci. Soc. Japan 4:92-99. Je. 1932. no.2.

Japanese. German summary in Japanese Journ. Bot. 6:(62). 1933.

Proc. Imp. Acad. Tokyo (513T576)

Emoto, Y.

Ueber die chemotaxis der myxomyceten-plasmodien. Proc. Imp. Acad. Tokyo 8:460-463. illus. N. 1932. no.9.

Terasawa, Y.

Konstante amphidiploide Brassico-raphanus bastarde. Proc. Imp. Acad. Tokyo 8:312-314. illus. Jl.1932. no.7.

Yamaha, G.

Ueber den isoelektrischen punkt des pflanzlichen zellkernes. Proc. Imp. Akad. Tokyo 8:315-317. Jl.1932. no.7.

Publ. Fytopath. Sek. Zemsk. Výzk. Ústavu Zeměd. Brně (Opera Sect. (464.9B83P)

Baudys, E.

Několik zajímavých chorob a škůdců na Moravě. Publ. Fytopath. Sek. Zemsk. Výzk. Ústavu Zeměd. Brně no.121. 8 p. illus. 1932.

Czech.

Picbauer, R.

Addenda ad floram Čechoslovakiae mycologicam pars VI. Publ. Fytopath. Sek. Zemsk. Výzk. Ústavu Zeměd. Brně (Opera Sect. Phytopath. Inst. Agron. Brun.) no.118. 17 p. 1932.

Diplodina galeopsidis, D. ocimi, Hendersonia typhicola n. spp.

Non-current indexing (cont.)

Publ. Fytopath. Sek. Zemsk. Výzk. Ústavu Zeměd. Brně ... (cont.)

Picbauer, R.

Additamentum ad floram Jugoslaviae mycologicam III. Publ. Fytopath. Sek. Zemsk. Výzk. Ústavu Zeměd. Brně (opera Sect. Phytopath. Inst. Agron. Brun.) no.122. 7 p. 1932.

Dothidella dalmatica n. sp.

Picbauer, R.

Fungi a Doc. Dr. Fr. Nábělek in itinere turcico-persico lecti. Publ. Fytopath. Sek. Zemsk. Výzk. Ústavu Zeměd. Brně (Opera Sect. Phytopath. Inst. Agron. Brun.) no.123. 4 p. 1932.

Ploespora nábělekii, Sphacelotheca panici teneriffae, Ustilago aegilopsidis n. spp.

Rev. Agronómica (Lisboa) (15.5R32)

Carvalho e Vasconcellos, J. de

Ligeiras notas sôbre algumas plantas. Rev. Agronómica 19(4):19-25. illus. 1931.

Avena fatua var. intermedia, A. sativa ssp. nodipilosa, A. sterilis var. ludoviciana, Medicago coronata, M. rugosa, Melilotus sulcata, var. major Ononis geminiflora, Cuscuta epilinum, C. epithymum.

Rev. de Tabocos Madrid (69.8R32)

Benitez, J. & Alcaraz, E.

Enfermedades fitoparasitarias del tabaco en el campo. Rev. de Tabacos Madrid 1931(3):32-34. Je.1931.

Mosaico.

Trans. Nat. Hist. Soc. Formosa (J410.9N19)

Kurosawa, E.

[On certain experimental results concerning the over-elongation phenomenon of rice plants due to a filtrate of the culture solution of bakanae fungi]. Trans. Nat. Hist. Soc. Formosa 22:198-201. Je. 1932.

Japanese. English summary in Japan. Jour. Bot. 6:(72). 1933.

Correction

V. 15, no. 9, p.17

Powers, L. should be added as third author under of second article Journ. Agr. Res.

BOTANY
CURRENT LITERATURE

LIBRARY
RECEIVED
★ SEP 13 1933 ★
U. S. Department of Agriculture

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C.

Vol. 15, no. 17. Aug. 14-26, 1933.

Agric. Colon. (Firenze) (26Ag82)
Vivoli, G.
I datteri del Fezzàn. (Primo contributo alla conoscenza dei datteri del Fezzàn). (cont.) Agric. Colon. (Firenze) 27: 323-340. pl. i-iii. Jl. 1933. no.7.

Agron. Colon. (Paris) (26Ag812)
Ledreux, A.
La culture des caféiers à Madagascar. (cont.) Agron. Colon. 22(2): 13-22. Jl. 1933. no.187.

Amer. Bot. (Indianapolis, Ind.) (450Am33)
Baker, M. F.
Polygalas in Florida. Amer. Bot. 39: 100-104. Jl. 1933. no.3.

Clute, W. N.
The button snake-root. Amer. Bot. 39: 99-100. illus. Jl. 1933. no.3.
Eryngium yuccifolium.

Clute, W. N.
The meaning of plant names. LV. The spurges. Amer. Bot. 39: 106-113. Jl. 1933. no.3.

The groups of food plants. Amer. Bot. 39: 115-122. Jl. 1933. no.3.

Jeffersonia diphylla lobata. Amer. Bot. 39: 130-131. Jl. 1933. no.3.

Merryman, A. J.
Spanish moss. Amer. Bot. 39: 114-115. Jl. 1933. no.3.

Prunella vulgaris nana. Amer. Bot. 39: 129-130. Jl. 1933. no.3.
Grown for some time in the garden and does not revert to type.

Amer. Bot. (cont.)
Russian violet. Amer. Bot. 39: 125-126. Jl. 1933. no.3.
"commonly supposed to be a form of the English violet (Viola odorata)".

Anales Soc. Cient. Arg. (Buenos Aires) (516So1)
Albizzati, C. M.
Estudio sobre la acción de mejoradores químicos y la calidad de los trigos Argentinos. Anales Soc. Cient. Arg. 116: 5-18. Jl. 1933. no.1.

Ann. Univ. Stellenbosch (Capetown) (515St3)
Du Plessis, S. J.
Drie nuwe siektes van blomtuinplante. (Three new diseases of ornamentals.) Ann. Univ. Stellenbosch v.11,A,no.2. 15 p. illus. Je. 1933.
English summary: p.13.
Phoma gaillardiae, Epicoccum chrysanthemi and Triposporium stapeliae.

Ann. Agron. (Paris) (14An75A)
Bobko, E. V. & Belvoussov, M.A.
Importance du bore pour la betterave a sucre. Ann. Agron. 3: 493-504. illus. Jl./Ag. 1933.

Ann. Appl. Biol. (London) (442.8An72)
Ainsworth, G. C.
An investigation of tomato virus diseases of the mosaic "stripe", streak group. Ann. Appl. Biol. 20: 421-428. pl. xxiii-xxiv. Ag. 1933. no.3.

Bennett, F. T.
Gibberella saubinetii (Mont.) Sacc. on British cereals. III. Occurrence under natural conditions. Ann. Appl. Biol. 20: 377-380. Ag.1933. no.3.

Cairns, H. & Muskett, A. E.
Pink rot of the potato. Ann. Appl. Biol. 20: 381-403. pl. xxii. Ag. 1933. no.3.

Chippindale, H. G.
The effect of some chemicals on germination in cocksfoot (Dactylis glomerata L.) Ann. Appl. Biol. 20: 369-376. Ag. 1933. no.3.

Ann. Appl. Biol. (cont.)
Hansford, C. G., Hosking, H. R., Stoughton, R. H. & Yates, F.
An experiment on the incidence and spread of angular leaf spot disease of cotton in Uganda. Ann. Appl. Biol. 20: 404-420. Ag. 1933. no.3.

Ann. Rep. Dept. Agr. Cyprus (21C99)
Nattrass, R. M.
Annual report of the mycologist for the year 1932. Ann. Rep. Dept. Agr. Cyprus 1932: 44-49. illus. 1933.

Arch. Mikrobiol. (Berlin) (442.8Ar26)
Badian, J.
Eine cytologische untersuchungen über das chromatin und den entwicklungszyklus der bakterien. Arch. Mikrobiol. 4: 409-418. illus. Jl.15, 1933. no.3.

Gistl, R.
Erdalgen und düngung. Erdalgen und anionen. Arch. Mikrobiol. 4: 348-378. illus. Jl.15, 1933. no.3.

Krzemieniewska, H.
Contribution à l'étude genre Cytophaga (Winogradsky). Arch. Mikrobiol. 4: 394-408. illus. Jl.15, 1933. no.3.

Lange-de la Camp, M.
Kulturversuche mit flechtenpilzen (Xanthoria parietina). Arch. Mikrobiol. 4: 379-393. illus., pl. Jl.15, 1933. no.3.

Arch. Pharm. & Ber. Deut. Pharm. Ges. (Berlin) (396.8Ar2A)
Dieterle, H. & Kaiser, P.
Ueber die inhaltsstoffe des rhizoms von Curcuma domestica (Temoe lawak). II. Arch. Pharm. & Ber. Deut. Pharm. Ges. 271: 337-342. Je. 1933. no.6.

Jaretzky, R. & Kühne, F.
Zur pharmkognosie von Tanacetum vulgare L. Arch. Pharm. & Ber. Deut. Pharm. Ges. 271: 353-358. Je. 1933. no.6.

Arch. Protistenk. (Jena) (439.8Ar2)

Moewus, F.

Untersuchungen über die variabilität von chlamydomonaden. Arch. Protistenk. 80: 128-171. illus. 1933. no.1.

Atti R. Accad. Naz. Lincei VI, Rend. Cl. Sci. Fis., Mat. e. Nat. (Rome) (507R66)

Elisei, G.

Osservazioni sull'ontogenesi dell'apparato cribrolegnoso in Mesembrianthemum. Atti R. Accad. Naz. Lincei VI, Rend. Cl. Sci. Fis. Mat. e Nat. 17: 569-573. illus. Ap.2, 1933. no.7.

Ber. Deut. Bot. Ges. (Berlin) (451D48)

Bachmann, E.

Der lagerbau von Mikroglaena butschetschensis Zschacke. Ber. Deut. Bot. Ges. 51: 268-273. illus. Jl.27, 1933. no.6.

Boas, F.

Eine neue eosinwirkung auf pflanzen. Ber. Deut. Bot. Ges. 51: 274-275. illus. Jl.27, 1933. no.6.

Experiments with Lolium perenne.

Euler, H. v.&Bergman, B.

Chromatophoren-degeneration in laubblättern von chlorophylldefekten gersten-mutanten. Ber. Deut. Bot. Ges. 51: 283-290. illus. Jl.27, 1933. no.6.

Onno, M.

Die strandformationen an der mittleren Lübecker Bucht. Ber. Deut. Bot. Ges. 51: 232-267. illus. Jl.27, 1933. no.6.

Tobler, F.

Pflanzenwelt und biologische station auf dem Itatiaya. Ber. Deut. Bot. Ges. 51: 276-282. pl. v (fold.) Jl.27, 1933. no.6.

Biochem. Journ. (London) (382B52)

Cromwell, B. T.

Experiments on the origin and function of berberine in Berberis darwinii. Biochem. Journ. 27: 860-872. 1933. no.3.

Biochem. Journ. (cont.)

Clutterbuck, P. W. & Raistrick, H.

Studies in the biochemistry of micro-organisms. XXXI. The molecular constitution of the metabolic products of Penicillium brevi-compactum Dierckx and related species. Biochem. Journ. 27: 654-667. 1933. no.3.

II. Mycophenolic acid.

Oxford, A.E. & Raistrick, H.

Studies in the biochemistry of micro-organisms. XXX. The molecular constituion of the metabolic products of Penicillium brevi-compactum Dierckx and related species. Biochem. Journ. 27: 634-653. 1933. no.3.

I. The acids $C_{10}H_{10}O_5$, $C_{10}H_{10}O_6$ and $C_{10}H_{10}O_7$.

Raistrick, H. & Simonart, P.

Studies in the biochemistry of micro-organisms. XXIX, 2: 5-dihydroxybenzoic acid (gentisic acid) a new product of the metabolism of glucose by Penicillium griseofulvum Dierckx. Biochem. Journ. 27: 628-633. 1933. no.3.

Biochem. Zeitschr. (Berlin) (384B522)

Chrzaszcz, T. & Zakomorny, M.

Biochemische umbildung der ameisensäure durch schimmelpilze und chemismus dieses vorganges. Biochem. Zeitschr. 263: 105-118. Jl.21, 1933. no.1/3.

Biol. Medd. K. Danske Vidensk. (København)

Børgesen, F.

On a new genus of the Lophotalieae (Fam. Rhodomelaceae). Biol. Medd. K. Danske Vidensk. v.10, no.8. 16 p. illus. 1933.

Spirocladia (S. barodensis)

Hagerup, O.

Zur organogenie und phylogenie der koniferenzapfen. Biol. Medd. K. Danske Vidensk. v.10, no.7. 82 p. illus. 1933.

Blumen u. Pflanzenb. (Berlin) (80B623)

Storck, A.

Erd-dämpfung zur bodendesinfektion. Blumen u. Pflanzenb. 48: 21-23. illus. F.1, 1933.

Bot. Mag. Tokyo (450B651)

Akiyama, S.
On the systematic anatomy of the leaves of some Japanese Carices. I. Bot. Mag. Tokyo 47: 446-460. illus. Je. 1933. no.558.
Japanese.

Emoto, Y.
Studien über die myoxmyceten in Japan. Bot. Mag. Tokyo 47: 371-383. My. 1933. no.557.

Emoto, Y.
Studien über die physiologie der schwefeloxydierende bakterien. Bot. Mag. Tokyo 47: 405-422. Je. 1933. no.558.

Hayashi, K.
Vereinfachte darstellungsmethode der anthocyanpräparate aus dahlienblüten. Bot. Mag. Tokyo 47:394-404. illus. My. 1933. no.557.
Japanese.

Hayashi, K.
On the colouring matter of the fruits of Fatsia japonica. Bot. Mag. Tokyo 47: 479-482. Je.1933. no.558.
Preliminary report. Japanese.

Hayata, B.
Principal aims of systematic botany. Bot. Mag. Tokyo 47: 461-465. Je. 1933. no.558.

Honda, M.
Nuntia ad floram Japoniae. XXI. Bot. Mag. Tokyo 47: 433-437. illus. Je. 1933. no.558.

Ichikawa, C.
Phosphorus, calcium and manganese in buch (sic) wheat plants in their various stages of development. Bot. Mag. Tokyo 47: 471-478. illus. Je. 1933. no.558.
Japanese.

Imai, S.
On the taxonomy of Nameko-fungus in Japan. Bot. Mag. Tokyo 47: 384-389. My. 1933. no.557.
Pholiota nameko (Collybia)
Japanese with English résumé: p.388-389.

Bot. Mag. Tokyo (cont.)

Imai, S.

Studies on the Agaricaceae of Japan. I. Volvate agarics in Hokkaido. Bot. Mag. Tokyo 47: 423-432. Je. 1933. no.558.

Masuda, T.

Studies on the elongation of petioles in some dicotyledons. Bot. Mag. Tokyo 47: 347-370. My. 1933. no.557.

Sakurai, K.

Beobachtungen über japanische moosflora. IV. Laubmoosflora auf insel Yakushima. Bot. Mag. Tokyo 47: 331-346. My.1933. no.557.

Satō, M. M.

A bibliographical monograph on Japanese lichens. III,IV. Bot. Mag. Tokyo 47: 390-393, 466-471. My., Je. 1933. no.557, 558.

Japanese.

Tatuno, S.

Geschlechtschromosomen bei einigen lebermoosen. II. Bot. Mag. Tokyo 47: 438-445. illus. Je. 1933. no.558.

Japanese with German résumé: p. 445.

Bot. Mus. Leafl. Harvard Univ. (451H262)

Ames, O.

A new genus of the Pleurothallidinae. Bot. Mus. Leafl. Harvard Univ. no.9. 31 p. illus. Ag.12, 1933.

Lepanthopsis (Pleurothallis)

Broteria Cienc. Nat. (410B79C)

Rick, J.

Monographia sphaerialium astromaticorum riograndensium. Broteria Cienc. Nat. 2: 133-145. Ag.1, 1933. no.3.

Sordaria bicurvata, Chaetosphaeria patelliformis, Trichosphaeria magna n.spp.

Torrend, C.

Contribuicão para a flora das plantas vasculares da Baia. Broteria Cienc. Nat. 2: 111-132. Ag.1, 1933. no.3.

Bulet. Grad. Bot. Univ. Cluj (Roumania) (451C62)

Borza, A. & Gürtler, C.

Varietatile de mere cultivate in Gradina botanica din Cluj. (Die apfelsorten des Botanischen gartens von Cluj). Bulet. Grad. Bot. Univ. Cluj v.13, App.I. 24 p. illus., i pl. 1933.

German summary p.23-24.

Bull. Min. Agr. Prov. Quebec (7Q3Bu)

Maheux, G.

Guide pratique de la protection des cultures. Bull. Min. Agr. Prov. Quebec 118. 51 p. illus., xi pl. 1933.

Maladies parasitaires. Grande culture. Legumes. Fruits p.30-40.

Turcot, C.

Culture et préparation du tabac. Bull. Min. Agr. Prov. Quebec 112. 62 p. illus. 1933.

Maladies s'attaquant aux plantations de tabac; p.49-59; Maladies s'attaquant au tabac en voie de préparation: p.59-62.

Bull. Soc. Bot. France (Paris) (451F84B)

Chouard, P. & Sauvage, C.

Nouvelles observations sur les éléments floristiques du massif de Néouvieille et de la vallée d'Aure. Bull. Soc. Bot. France 80: 237-241. Jl.8, 1933. no.3/4.

Culmann, P.

Nouvelle contribution à la flore bryologique du bassin supérieur de l'Arve. Bull. Soc. Bot. France 80: 217-230. Jl.8, 1933. no.3/4.

Litardière, R. de.

Un nouvel exemple de station d'Eupteris aquilina en terrain alcalin. Bull. Soc. Bot. France 80: 230-233. Jl.8, 1933. no.3/4.

Mathou, T.

Quelques observations à propos d'éléments scléreux à oxalate. Bull. Soc. Bot. France 80: 193-197. illus. Jl.8, 1933. no.3/4.

Pellegrin, F.

Le fruit du Dioncophyllum Baillon, flacourtiacées. Bull. Soc. Bot. France 80: 233-236. illus. Jl.8, 1933. no.3/4.

Bull. Soc. Bot. France. (cont.)
Perrier de la Bathie, H.
Les brexiées de Madagascar. Bull. Soc. Bot. France 80: 198-214. Jl.8, 1933. no.3/4.
Five new species of Brexia, Brexiella n.gen.

Bull. Soc. Chim. Biol. (Paris) (383Sol)
Bourdouil, C. Mlle.
Le caractère amylacé chez les hybrides de pois en première génération. Bull. Soc. Chim. Biol. 15: 790-792. Je.1933. no.6.

Kramer, A. Mlle.
Sur la présence du syringoside (syringine) dans l'écorce de Philyrea latifolia L. et Philyrea decora L. Bull. Soc. Chim. Biol. 15: 764-780. Je. 1933. no.6.

Calif. Citrogr. (Los Angeles) (80C125)
Shamel, A. D., Pomeroy, C. S. & Caryl, R. E.
Relation of foliage to fruit size in Washington navel oranges. Calif. Citrog. 18: 296. S. 1933. no.11.

Citrus News Melbourne. (80C494)
Provan, J. L.
Root stocks of citrus trees. Citrus News Melbourne 9: 137-139, 145. illus. Jl.1, 1933. no.7.
Compatibility of different varieties. Effect on early maturity.

Compt. Rend. Acad. Sci. Paris (505P21)
Bertrand, G. & Silberstein, L.
Le soufre et le phosphore dans les diverses parties du grain de blé. Compt. Rend. Acad. Sci. Paris 197: 285-288. Jl.24, 1933. no.4.

Colin, H. & Augier, J.
Floridoside, tréhalose et glycogène chez les algues rouges d'eau douce (Lemanea, Sacheria). Compt. Rend. Acad. Sci. Paris 197: 423-425. Jl.31, 1933. no.5.

Compt. Rend. Acad. Sci. Paris (cont.)

Dusseau, A.Mlle.

Sur la sporogénèse de l'hybride Triticum haplodurum issu du croisement de deux Triticum vulgare. Compt. Rend. Acad. Sci. Paris 197: 346-347. Jl.24, 1933. no.4.

Fosse, R. & Brunel, A.

Présence de l'acide allantoique chez les champignons. Compt. Rend. Acad. Sci. Paris 197: 288-290. Jl.24, 1933. no.4.

Fromaget, J.

Sur la présence de la flore à Gigantopteris nicotinoefoliae dans le Haut-Laos et sur la stratigraphie des Indosinides. Compt. Rend. Acad. Sci. Paris 197: 341-343. Jl.24, 1933. no.4.

Compt. Rend. Soc. Biol. Paris (442.9P21)

Lenoir, M.

Quelques stades de la réduction chromatique observés sur le vivant, chez l'Equisetum hiemale. Compt. Rend. Soc. Biol. Paris 113: 1221-1223. 1933. no.27.

Talice, R. V. & Mackinnon, J. E.

Propriétés biologiques et diagnose de Monilia albicans. Compt. Rend. Soc. Biol. Paris 113: 1285-1286. 1933. no.27.

Coton & Cult. Coton. (Paris) (72.8C821)

Maublanc, A.

La stigmatomycose des graines du cotonnier. Coton & Cult. Coton. 8: 15-25. illus. Ap.1933. no.1.

Deutsche Forst-Zeit. (Neudamm) (99.8D48)

Liese, J.

Kiefernschütte-bekämpfung. Deutschr. Forst-Zeit. 48: 655-658. illus. Ag.4, 1933. no.31.

Ernähr. Pflanze (Berlin) (57.8Er6)

Zehenter, M.

Wiesenunkräuter. (schluss). Ernähr. Pflanze 29: 300-302. illus. Ag.1, 1933. no.15/16.

Estate Mag. (10Es8)

Hodson, W. E. H.

Eelworms destructive of garden and glasshouse plants. Estate Mag. 33: 607-612. Ag. 1933. no.8.

Flor. Exch. (N.Y.) (80F666)

Bowers, C. G.

Plant peculiarities and "Standardized plant names". Flor. Exch. 81(33): 11,18. Ag.19, 1933.

National arboretum assured at last. Conservation act funds permit land purchase. Flor. Exch. 81(33): 17, 18. Ag.19, 1933.

Flor. Rev. (Chicago) (80W41)

Calla specialist wins against disease. Flor. Rev. 72(1863): 10-11. illus. Ag.10, 1933.

G.M. Collatz, Maywood, Ill., assisted by Paul Burdett have found an effective way of controlling soft rot in calla.

Sterilization process used on corms eliminates calla soft rot. Flor. Rev. 72(1863): 9-10. illus. Ag.10, 1933.

Results of experiments of G.M. Collatz, Maywood, Ill.

Stoutemyer, V. T.

Propagator needs only few stock plants using leaf-bud cuttings. Flor. Rev. 72(1864): 9-10. illus. Ag.17, 1933.

Experiments with geranium.

Forestry (Gt. Brit.) (London) (99.8F767)

Chalk, L.

Multiperforate plates in vessels, with special reference to the Bignoniaceae. Forestry (Gt. Brit.) 7: 16-25. illus., ii pl. Je.1933. no.1.

Dallimore, W.

Changes amongst well-known tree names. Forestry (Gt. Brit.) 7: 4-8. Je.1933. no.1.

Gard. Chron. (London) (80G162)

Grove, A.

Lilium michiganense. Gard. Chron. III, 94: 120. illus. Ag.12, 1933. no.2433.

Green, D. E.

A disease of antirrhinums new to Great Britain. Gard. Chron. III,94: 131. illus. Ag.12, 1933. no.2433.

Gard. Chron. (cont.)
Hutchinson, J.
Rhododendron viridescens, Hutch. n.sp. Gard. Chron. III,94: 116. Ag.12, 1933. no.2433.

Gartenw. (Berlin) (80G196)
Pape, H.
Die mosaikkrankheit der lilien. (schluss). Gartenw. 37: 364. Jl.28, 1933. no.30.

Genetica (The Hague) (442.8G282)
Bleier, H.
Die meiosis von heplodiplonten (Oenothera franciscana und Oe. hookeri). Genetica 15: 129-176. illus., iii pl. 1933. no.3.

Catcheside, D. G.
Chromosome configurations in trisomic Oenotheras. Genetica 15: 177-201. illus. 1933. no.3.

Lotsy, J. P.
Segregation of the hybrid Cotyledon paniculata x. C. wallichii. Genetica 15: 213-224. illus. 1933. no.3.

Vandendries, R.
De la valeur du barrage sexuel, comme critérium dans l'analyse d'une sporée tétrapolaire de basidiomycète: Pleurotus ostreatus. Genetica. 15: 202-212. 1933. no.3.

Giorn. Biol. Appl. Ind. Chim. ed Alim. (385G432)
Mezzadroli, G. & Amati, A.
Azione di alcuni alcaloidi sul metabolismo dei glucidi da parte dell'Aspergillus niger. Giorn. Biol. Appl. Ind. Chim. ed Alim. 3: 81-92. Je. 1933. no.3.

Informe Estac. Exp. Agr. La Molina (Lima) (102.5L622In)
Monografia de algunas variedades de cana que han demostrado buen resultado en los ensayos comparativos realizados en la Estación experimental agricola de La Molina. Informe Estac. Exp. Agr. La Molina no.22: 3-34. illus. Je. 1933.

Ital. Agr. (Milan) (16Itl)
Crescini, F.
Osservazioni e ricerche sulla canapa di Carmagnola. Ital. Agr. 70: 779-790. Jl. 1933. no.7.

Ital. Vinic. (Casalmonferrato) (95.8Itl)
Marescalchi, A.
La coltivazione e l'industria dei funghi. Ital. Vinic. 23: 481-484. Jl.30, 1933. no.31.

Jahrb. Wiss. Bot. (Leipzig) (450P93J)
Gundel, W.
Chemische und physikalisch-chemische vorgänge bei geischer induktion. Jahrb. Wiss. Bot. 78: 623-664. illus. 1933. no.4.
Experiments with Vicia faba, Phaseolus & Helianthus.

Schropp, W. & Scharrer, K.
Wasserkulturversuche mit der "A-Z-lösung" nach Hoagland. Jahrb. Wiss. Bot. 78: 544-563. illus. 1933. no.4.

Steiner, M.
Zum chemismus der osmotischen jahresschwankungen einiger immergrüner holzgewächse. Jahrb. Wiss. Bot. 78: 564-622. illus. 1933. no.4.

Wieler, A.
Ueber die einwirkung von säuren auf die assimilation der holzgewähcse. Jahrb. Wiss. Bot. 78" 483-543. illus. 1933. no.4.

Journ. Agr. Res. (Washington, D. C.) (1Ag84J)
Allen, R. F.
Further cytological studies of heterothallism in Puccinia graminis. Journ. Agr. Res. 47: 1-16. pl. 1-6. Jl.1, 1933. (Rec'd Ag.24) no.1.

Andrus, C. F. & Harter, L. L.
Morphology of reporduction in Ceratostomella fimbriata. Journ. Agr. Res. 46: 1059-1078. illus. Je.15, 1933 (Rec'd Ag.21) no.12.

Charles, V. K. & Lambert, E. B.
Plaster molds occurring in beds of the cultivated mushroom. Journ. Agr. Res. 46: 1089-1098. illus. Je.15, 1933.(Rec'd Ag.21) no.12.
Monilia fimicola, Myriococcum praecox.

Journn. Agr. Res. (cont.)

Cole, J. R.
Vein spot of the pecan caused by Leptothyrium nervisedum, n.sp. Journ. Agr. Res. 46: 1079-1088. illus. Je.15, 1933. (Rec'd Ag.21) no.12.

Dykstra, T. P.
Weeds as possible carriers of leaf roll and rugose mosaic of potato. Journ. Agr. Res. 47: 17-32. illus. Jl.1, 1933. (Rec'd Ag.24) no.1.

Heincke, A. J.
Apparatus for making autographic records of catalase activity of plant tissues, and the procedure involved. Journ. Agr. Res. 46: 1137-1143. illus. Je.15, 1933. (Rec'd Ag.21) no.12.

Leding, A. R. & Lytton, L. R.
Effects of plant spacing and irrigation on number of locks in cotton bolls. Journ. Agr. Res. 47: 33-52. Jl.1, 1933. (Rec'd Ag.24) no.1.

Neal, D. C., Wester, R. E. & Gunn, K. C.
Growth of the cotton root-rot fungus in synthetic media and the toxic effect of ammonia on the fungus. Journ. Agr. Res. 47: 107-118. illus. Jl.15, 1933 (Rec'd Ag.24) no.2.

Powers, L. & Hines, L.
Inheritance of stem rust and barbing of awns in barley crosses. Journ. Agr. Res. 46: 1121-1129. illus. Je.15, 1933. (Rec'd Ag.21) no.12.

Smith, W. K.
Inheritance of reaction of wheat to physiologic forms of Tilletia levis and T. tritici. Journ. Agr. Res. 47: 89-105. Jl.15, 1933. (Rec'd Ag.24) no.2.

Snyder, W. C.
Variability in the pea wilt organism, Fusarium orthoceras var. pisi. Journ. Agr. Res. 47: 65-88. illus., Jl.15, 1933 (Rec'd Ag.24) no.2.

Journ. Amer. Soc. Agron. (Geneva, N.Y.) (4Am34P)

Clark, J. A. & Humphrey, H. B.
Inheritance of stem-rust reaction in wheat. Journ. Amer. Soc. Agron. 25: 497-511. Ag.1933. no.8.

Journ. Amer. Soc. Agron. (cont.)

Karraker, P. E. & Bortner, C. E.
Symptoms of phosphorus deficiency in Turkish tobacco. Journ. Amer. Soc. Agron. 25: 556-558. illus. Ag.1933. no.8.

Klages, K. H. W.
The effects of simulated hail injuries on flax. Journ. Amer. Soc. Agron. 25: 534-540. Ag.1933. no.8.

Rosenquist, C. E.
Winterhardiness in the first generation of several wheat crosses. Journ. Amer. Soc. Agron. 25: 528-533. Ag. 1933. no.8.

Wilson, B. D. & Townsend, G. R.
Correction of the unproductivity of a peat soil for lettuce. Journ. Amer. Soc. Agron. 25: 523-527. illus. Ag. 1933. no.8.

Journ. Assoc. Off. Agr. Chem. (Washington, D. C.) (381As7)

Robinson, W. O.
Determination of selenium in wheat and soils. Journ. Assoc. Off. Agr. Chem. 16: 423-424. Ag.15, 1933. no.3.

Journ. Bacteriol. (Baltimore) (448.3J82)

Burke, V. & Gibson, F. O.
The gram reaction and the electric charge of bacteria. Journ. Bacteriol. 26: 211-214. Ag.1933.

Journ. Bot. (London) (450J82)

Dixon, H. N. & Sainsbury, G. O. K.
New and rare species of New Zealand mosses. Journ. Bot. 71: 213-220. Ag.1933. no.848.

Lister, G.
A new species of Dictydium from Australia. Journ. Bot. 71: 222-223. Ag. 1933. no.848.
D. rutilum.

Lister, G.
New varieties of mycetozoa from Japan. Journ. Bot. 71: 220-222. Ag. 1933. no.848.
Didymium leoninum var.effusum, Arcyria pomiformis var. heterospora.

Marsden-Jones, E. & Turrill, W. B.
Notes on the taxonomy of British material of Anthyllis vulneraria. Journ. Bot. 71: 207-213. Ag.1933. no.848.

Journ. Bot. (cont.)

Praeger, R. L.
Matilda Cullen Knowles (1864-1933). Journ. Bot. 71: 230-231. Ag.1933. no.848.

Watson, W.
Notes on Rubi. Journ. Bot. 71: 223-229. Ag. 1933. no.848.
I. What is Rubus rhombifolius Weihe? II. Rubus colemanni Bloxam.
R. rhodanthus, R. crudelis n.spp.

Journ. Cell. & Comp. Phys. (Philadelphia) (444.8J822)

Fox, D. L.
Carbon dioxide narcosis. III-V. Journn. Cell. & Comp. Phys. 3: 340-354. Ag.20, 1933. no.3.
III. Salt antagonism. IV. Is oxygen lack a factor in the narcotic effects of carbon dioxide? V. Water and electrolytes in Nitella during exposure to carbon dioxide solutions.

Journ. Econ. Entom. (Geneva, N.Y.) (421J822)

Drake, C. J., Tate, H. D. & Harris, H. M.
The relationship of aphids to the transmission of yellow dwarf of onions. Journ. Econ. Entom. 26: 841-846. Ag.1933. no.4.

Journ. Fac. Agr. Hokkaido Imp. Univ. (Sapporo.) (107.6J273J)

Matsuyama, M.
Untersuchungen über die hefekatalase. Journ. Fac. Agr. Hokkaido Imp. Univ. Sapporo 32: 109-199. Je.1933. no.4.

Journ. Hered. (Washington) (442.8Am3)

Karper, R. E.
Inheritance of waxy endosperm in sorghum. Journ. Hered. 24:257-262. illus. Je. 1933. no.6.

King, E.
Chromosome behavior in a triploid Tradescantia. Journ. Hered. 24: 253-256. Je. 1933. no.6.

Stout, A. B. & Schreiner, E. J.
Results of a project in hybridizing poplars. Journ. Hered. 24: 217-219. illus. Je.1933. no.6.

Journ. S. E. Agr. Col. Wye. (103W97J)

Austin, M. D. & Martin, H.
The incorporation of contact insecticides with protective fungicides. Potato field trials, 1930-1932. Journ. S. E. Agr. Coll. Wye 32: 49-58. Jl. 1933.

Goodwin, W., Martin, H., Salmon, E. S. & Ware, W. M.
The control of apple scab: Allington Pippin and Newton Wonder, 1932. Journ. S. E. Agr. Coll. Wye 32: 95-107. Jl. 1933.

Lucie-Smith, M. N.
Photography as a help in the examination of cattle foods. Structure of the pod and seeds of Canavalia spp. Journ. S. E. Agr. Coll. Wye 32: 42-48. illus. Jl.1933.

Pearl, R. T.
The infloresnceces of apple trees. II. An historical review together with further varietal descriptions. Journ. S. E. Agr. Coll. Wye 32:9-17. illus., fold.tab. Jl.1933.

Salmon, E. S. & Ware, W. M.
The downy mildew of the hop in 1932. Journ. S. E. Agr. Coll. Wye 32: 108-119. illus. Jl. 1933.

Kakteenk. Deut. Kakteen-Ges. (451D482)

Bödeker, F.
Mammillaria fobeana Böd. sp.n. Kakteenk. Deut.Kakteen-Ges. 1933: 154-156. illus. Ag. 1933. no.8.

Bödeker, F.
Ueber Coryphantha pycnacantha Mart. und über Coryphantha reduncuspina Böd. sp.n. Kakteenk. Deut. Kakteen-Ges. 1933: 153-154. illus. Ag.1933. no.8.

Fobe, F.
Leicht blühende echinocereen. Kakteenk. Deut. Kakteen-Ges. 193: 141-142. Ag.1933. no.8.

Goetsch, W.
In Chiles kakteen-gebieten. 2. Chilenische kakteen und ihre umwelt. Kakteenk. Deut. Kakteen-Ges. 1933: 151-152. illus. Ag. 1933. no.8.

Weingart, W.
Echinocereus albiflorus spec.nov. Kakteenk. Deut.Kakteen-Ges. 1933: 156-157. illus. Ag. 1933. no.8.

Kartoffel; Zeitschr. Kartoffelbauges. (Berlin) (75.8K142)
Jöhnssen, A.
Zur blattrollkrankheit. Kartoffel, Zeitschr. Kartoffelbauges. 13: 150. Ag.1, 1933. no.15.

Landbouwk. Tijdschr. Wageningen (105.20r3)
Bos, H.
Het vegetatierhythme van de rogge. III. Landbouwk. Tijdschr. Wageningen 45: 440-449. illus. Ag. 1933. no.548.

Lingnan Sci. Journ. (Canton, China) (22.5C16)
McClure, F. A.
The Lingnan university third and fourth Hainan island expeditions. Lingnan Sci. Journ. 12: 381-388. Jl.11, 1933. no.3.

Malayan Agr. Journ. (Kuala Lumpur) (22.5F312)
Jack, H. W.
Note on the flowering of the Nipah palm under cultivation. Malayan Agr. Journ. 21: 314-315. Jl. 1933. no.7.

Milsum, J. N. & Marsh, T. D.
Propagation of tea from etiolated shoots. Malayan Agr. Journ. 21: 310-313. pl. Jl.1933. no.7.

Midwest Fruitman (Galena, Kans.) (80M583)
Anderson, H. W.
Control of bramble diseases. Midwest Fruitman 7(1): 6, 9-10. Jl. 1933.

Mitt. Deut. Landw. Ges. (Berlin) (18D48M)
Richter, H.
Das ulmensterben. Mitt. Deut. Landw. Ges. 48: 676-677. illus. Ag.5, 1933. no.31.

Möller's Deut. Gärtn.-Zeit. (Erfurt) (80M73)
Burchard, O.
Kanarische ginster. I. Möller's Deut. Gärtn.-Zeit. 48: 254-255. Ag.1, 1933. no.22.
Cystisus.

Gegen älchen an Lorraine-begonien. Möller's Deut. Gärtn.-Zeit. 48: 259-260. Ag.1, 1933. no.22.

Möller's Deut. Gärtn.-Zeit. (cont.)

Storck, A.

Braunfleckenkranke cyclamen. Möller's Deut. Gärtn.-Zeit. 48: 259. Ag.1, 1933. no.22.

Tiegel, E.

Mammillaria albescens Tieg. sp.n. Möller's Deut. Gärtn.-Zeit. 48: 260. Ag.1, 1933. no.22.

Nachrichtenbl. Deut. Pflanzenschutzd. (Berlin) (464.9N11)

Laubert, R.

Beobachtungen über den verlauf des befalls der mahonien durch Uropyxis sanguinea. Nachrichtenbl. Deut. Pflanzenschutzd. 13: 62-63. Ag. 1933. no.8.

Schwartz, M.

Otto Appel. Nachrichtenbl. Deut. Pflanzenschutzd. 13: 57-59. illus. Ag. 1933. no.8.

Naturwissensch. (Berlin) (474N213)

Feichtinger, N.

Viskositätsänderung des protoplasmas als folge radioaktiver bestrahlung. Naturwissensch. 21: 569-575, 589-591. illus. Ag.4,11, 1933. no.31,32.

Köhler, E.

Ein latentes kartoffelvirus. Naturwissensch. 21: 578. Ag.4, 1933. no.31.

Die frage, ob das E 8-virus etwa ein stark abgeschwächtes Y-virus vorstellt, wird noch verfolgt.

New Zeal. Journ. Agr. (Wellington) (23N48J)

Allan, H. H.

Notes on recently observed exotic weeds. (3) The genus Sisymbrium. New Zeal. Journ. Agr. 47: 38-40. Jl.20, 1933. no.1.

Aston, B. C. & Bruce, J. A.

The chemistry of weed-killers (cont.) New Zealand Journ. Agr. 47:4-7. Jl.20, 1933. no.1.

Cunningham, G. H. & Muggeridge, J.

Orchard sprays in New Zealand. V. The oil series. New Zeal. Journ. Agr. 47: 8-18. Jl.20,1933. no.1.

Hewlett, C. H. & Hewlett, J. H.

Hot-water treatment of seed barley. Crop results in Canterbury, seasons 1930-33. New Zeal. Journ. Agr. 47: 33-37. Jl.20, 1933. no.1.

New Zeal. Journ. Agr. (cont.)

Neill, J. C. & Brien, R. M.

Occurrence of dry rot on rape and chou moellier in the field. New Zeal. Journ. Agr. 47: 19-20. illus. Jl.20, 1933. no.1.

Phoma lingam.

Ohio Journ. Sci. (Columbus) (410Oh3)

Schaffner, J. H.

Additions to the Revised catalog of Ohio vascular plants. I. Ohio Journ. Sci. 33: 288-294. Jl. 1933. no.4.

Perfum. & Essent. Oil Rec. (London) (308.8P41)

The fuchsia in perfumery. A novelty type odour. Perfum. & Essent. Oil Rec. 24: 225-226. illus. Jl. 1933. no.7.

Philipp. Agr. (Los Baños) (25P542)

Juliano, J. B. & Alcala, P. E.

Floral morphology of Musa errans (Blanco) Teodoro var. botoan Teodoro. Philipp. Agr. 22: 91-116. illus., pl. i-v. Jl. 1933. no.2.

Phytopath. (464.8P56)

Bergman, H. F. & Truran, W. E.

An apparent case of transmission of cranberry false blossom through a natural graft. Phytopath. 23: 670-672. illus. Ag.1933. no.8.

Fawcett, H. S.

New locations for Phytophthora citrophthora and P. hibernalis on citrus. Phytopath. 23: 667-669. Ag. 1933. no.8.

P. citrophthora in Florida and Louisiana and P. hibernalis in California.

Guba, E. F.

"Suspected mosaic" of the strawberry. Phytopath. 23: 654-661. illus. Ag. 1933. no.8.

Jenkins, A. E.

Further studies of lima bean scab. Phytopath. 23: 662-666. illus. Ag. 1933. no.8.

Neal, D. C., Wester, R. E. & Gunn, K. C.

Fusion of large-cell hyphae of the cotton-root-rot fungus. Phytopath. 23: 676-677. illus. Ag. 1933. no.8.

Phytopath. (cont.)

Priode, C. N.
Cuban streak. Phytopath. 23: 674-675. illus. Ag. 1933. no.8.
Peculiar type of striping of sugarcane. Writer suggests causal agent to be of a virus nature.

Priode, C. N.
Two hosts of the pokkah-bong disease other than sugarcane. Phytopath. 23: 672-674. illus. Ag. 1933. no.8.
On corn and sorghum.

Samuel, G., Bald, J. G. & Eardley, C. M.
"Big bud" a virus disease of the tomato. Phytopath. 23: 641-653. illus. Ag.1933. no.8.
First described by N.A. Cobb under the name "rosette".

Woodroof, N. C.
Two leaf spots of the peanut (Arachis hypogaea L.). Phytopath. 23: 627-640. illus. Ag.1933. no.8.
Cercospora personata, C. arachidicola.

Poona Agr. Coll. Mag. (22P79)

Maralihalli, S. S.
Study of correlations of branches, flowers, pods and yield in groundnut. Poona Agr. Coll. Mag. 25: 24-29. Jl. 1933. no.1.

Prakt. Ratg. Obst.-u. Gartenb. (Frankfurt a.d.O.) (80P883)

Brelöer,
Unkräuter zeigen dir die kalkarmut deines bodens an. Prakt. Ratg. Obst.-u. Gartenb. 48: 376-378. illus. Ag.6, 1933. no.32.

Proc. Nat. Acad. Sci. (500N21P)

Bonner, J.
Studies on the growth hormone of plants. IV. On the mechanism of the action. Proc. Nat. Acad. Sci. 19: 717-719. Jl. 1933. no.7.

Goodspeed, T. H.
Chromosome number and morphology in Nicotiana VI. Chromosome numbers of forty species. Proc. Nat. Acad. Sci. 19: 649-653. Jl. 1933. no.7.

Thimann, K. V. & Skoog, F.
Studies on the growth hormone of plants. III. The inhibiting action of the growth substance on bud development. Proc. Nat. Acad. Sci. 19: 714-716. Jl.1933. no.7.

Protoplasma (Leipzig) (442.8P94)

Pfeiffer, H.

Beiträge zur quantitativen bestimmung von molekularkräften des protoplasmas. I. Eine methode zur messung der adhäsions-arbeit plasmatischer oberflächen. Protoplasma 19: 177-193. illus. Jl. 1933. no.2.

Includes investigations on Tradescantia fluminensis and Mesembryanthemum deltoides.

Schwarz, W.

Hinweis auf abnorme kernverhältnisse im endospermhäutchen von Fritillaria imperialis. Protoplasma 19: 249-254. illus. Jl. 1933. no.2.

Weber, R.

Plasmolyse und vakuolenkontraktion bei Antithamnion plumula. Protoplasma 19: 242-248. illus. Jl. 1933. no.2.

Yamaha, G. & Ishii, T.

Ueber die wasserstoffionkonzentration und die isoelektrische reaktion der pflanzlichen protoplasten, insbesondere des zellkernes und der plastiden. Protoplasma 19: 194-212. illus. Jl. 1933. no.2.

Rev. Agronómica (Lisboa) (15.5R32)

Guerra, G.

Subsidios para o estudo da amendoeira em Portugal. Rev. Agronómica 20(3): 5-37. illus. 1932.

Rev. Gén. Bot. (Paris) (450R326)

Evreinoff, V. A.

Les fruits doubles et multiples chez le pêcher. Rev. Gén. Bot. 45: 326-331. illus. Jl. 1933. no.535.

Famin, A.

Action de la température sur les végétaux. (cont.) Rev. Gén. Bot. 45: 277-306. illus., 4 pl. Jl. 1933. no.535.

... M. Gustave Chauveaud... Rev. Gén. Bot 45: 340. Jl. 1933. no.535.

Raybaud, L.

Les biobaromètres et les biobarographes. Rev. Gén. Bot. 45: 332-339. Jl. 1933. no.535.

Experiments with cereals.

Rev. Gén. Bot. (cont.)
Guilliermond, A.
Recherches cytologiques sur les pigments anthocyaniques et les composés oxyflavoniques. (cont.) Rev. Gén. Bot. 45: 307-325. illus. Jl. 1933. no.535.

Rev. Gén. Hort. Cult. Fruit. (Paris)
LaHaye, M.
L'oeillet. Ses maladies. Les insectes et leurs remèdes. Rev. Gén. Hort. Cult. Fruit. 11: 98-100. Jl.1933. no.122.

Rev. Gén. Sci. (Paris) (473R324)
Morquer, R.
Fougères fossiles et pteridospermées. Rev. Gén. Sci. 44: 423-442. illus. Jl.31,1933. no.14.

Rev. Hort. Organ Soc. Hort. Romania (Bucurest) (80R328)
Alexandri, Al.V.
Boalele cunoscute in Romȃnia la fasole. Rev. Hort. Organ. Soc. Hort. Romȃnia 11: 116-120. illus. Ag.1, 1933. no.126.
Mosaic, Bacterium phaseoli, Colletotrichum lindemuthia, Uromyces appendiculatus.

Sbornik Českoslov. Akad. Zeměd. (Praha) (19.5C332C)
Kočnar, K.
Dědičnost a zušlechtováni u stromů a křovin plodonosných a okrasných, u květin okrasných, u zeleniny a u vinné révy. Souborný přehled za léta 1929-1932. Sbornik Českoslov. Akad. Zeměd. v.8, Oddíl B, čislo 11. 48 p. 1933.

Science (470Sci2)
Anderson, E.
A convenient color chart for geneticists. Science 78: 150-151. Ag.18, 1933. no.2016.

Burns, G. R.
The long and short wave-length limits of photosynthesis. Science 78: 130. Ag.11,1933. no.2015.
Results of experiments with Norway spruce and white pine.

Science. (cont.)

The Dutch elm disease in New Jersey.
Science 78: 117-118. Ag.11, 1933.
Reports of R. Kent Beattie after investigating the outbreak in New Jersey.

Harris, M. R.
A Phytophthora disease of snapdragons.
Science 78: 152. Ag.18, 1933. no.2016.
... "belongs to the Phytophthora cactorum group" ...

Heavy water prevents seeds from sprouting.
Science v.78, no.2016. suppl. p.7. Ag.18, 1933.
Experiments of Prof. G.N.Lewis, Univ. of California, made with the double-weight hydrogen isotope.

Nelson, E. M., Hurd-Karrer, A. M. & Robinson, W. O.
Selenium as an insecticide. Science 78: 124. Ag.11, 1933. no.2015.

Scient. Month. (470Sci23)

Barrett, O.W.
The origins of the food plants of Puerto Rico.
Scient. Month. 37: 241-256. illus. S. 1933. no.3.

Taylor, W. A.
Research in the Bureau of plant industry.
Scient. Month. 37: 1-19. illus. Jl.1933. no.1.

True, R. H.
The Morris arboretum of the University of Pennslyvania. Scient. Month. 37: 280-282. illus. S. 1933. no.3.

Woodward, C. H.
Historical microscopes at the New York botanical garden. Scient. Month. 37: 285-286. illus. S. 1933. no.3.

Succulenta (Leeuwarden) (450Su1)

Backeberg, C.
Derde brief van den cactusjager. Succulenta 15: 145-151. illus. Ag.1933. no.8.
In Buenos Aires.

Cammerloher, H.
Gasteria decipiens Haw. Succulenta 15: 141-143. illus. Ag. 1933. no.8.

Succulenta (cont.)

Ringh, C. de

Mamillaria wildii Crist. Succulenta 15: 144-145. illus. Ag. 1933. no.8.

Thar. Forstl. Jahrb. (Berlin) (99.8T32)

Münch, E.

Eine neue laubholzkrankheit? Thar. Forstl. Jahrb. 84: 532-535. illus. 1933. no.7.

On oak, cause undetermined.

Torreya (450T63)

Doutt, M. T.

First record of Drosera in Wyoming. Torreya 33: 93-94. Jl./Ag. 1933. no.4.

Southwestern section of Yellowstone National Park.

Dr. Arthur B. Seymour ... Torreya 33: 107. Jl./Ag. 1933. no.4.

Hanna, L. A.

Historical notes and effects of grazing. Torreya 33: 90-92. Jl./Ag. 1933. no.4.

Bridger Basin, Green River valley, southwestern Wyoming.

McAtee, W. L.

Some local names of plants. V. Torreya 33:81-86. Jl./Ag. 1933. no.4.

Torrey, R. H.

Parmelia cladonia, a beautiful northern lichen, found on Catskill summits. Torreya 33: 87-89. Jl./Ag. 1933. no.4.

Trans. Amer. Micros. Soc. (440.9Am33)

Gottschall, R. Y. & Jennings, O. E.

Limnological studies at Erie, Pa. Trans. Amer. Micros. Soc. 52: 181-191. illus. Jl. 1933. no.3.

Hall, R. P.

The question of the ingestion of solid particles by Euglena. Trans. Amer. Micros. Soc. 52: 220-222. Jl. 1933. no.3.

Turrell, F. M.

Photomicrographs with a vest pocket kodak. Trans. Amer. Micros. Soc. 52: 267-268. illus. Jl. 1933. no.3.

Trans. & Proc. Roy. Soc. So. Austr. (514Ad3)
Black, J. M.
Additions to the flora of south Australia. Trans. & Proc. Roy. Soc. So. Austr. 56: 39-47. pl.i-ii. D.24, 1932.(Rec'd Ag.1933)

Cleland, J. B.
Botanical notes of anthropological interest, from Macdonald Downs, central Australia. Trans. & Proc. Roy. Soc. So. Austr. 56: 36-38. D.24, 1932 (Rec'd Ag.1933)

Cleland, J. B.
Some botanical features of the district between Cockatoo Creek and Alice Springs, central Australia. Trans. & Proc. Roy. Soc. So. Austr. 56: 57-61. D.24, 1932. (Rec'd Ag.1933)

U.S. Dept. Agr. Library Bibliog. Contr. (1.9L61Bi)
Edwards, E. E.
Agriculture of the American Indians: a classified list of annotated historical references... 2d ed. U.S. Dept. Agr. Library Bibl. Contr. no.23. 106 p. Je. 1933.

Vict. Nat. (Melbourne) (410V66)
Coleman, E.
Further notes on the pollination of Spiranthes sinensis (Pers.) Ames. Vict. Nat. 50: 61-64. illus., pl.viii. Jl. 1933. no.3.

Nicholls, W. H.
Our rarer orchids. (8) i.e.(9). Prasophyllum suttonii. Vict. Nat. 50: 69-70. illus. Jl. 1933. no.3.

Zeitschr. Zuckerind. Čechoslovak. Rep. (66.8Z3)
Pázler, J.
Versuche zur bestimmung der vegetationswirkung des im harn trächtiger stute enhaltenen follikularhormons. Zeitschr. Zuckerind. Čechoslovak. Rep. 57: 421-424. illus. Ag.4, 1933.
Experiments with oats and sugar beets.
Uebersetzung des in čechischer sprache an 27. April 1933 vorgelegten und in "Listy cukrovarnické" 51, 1932/33, 329 veröffentlichten originalberichtes. Besorgt von Franz Haller.

Zentralbl. Bakt. Abt.II (Jena) (448.3C33)

Koelz, I.

Ungewöhnliche kokkenformen bei Aktinomyces. Zentralbl. Bakt. Abt. II 88: 373-376. Jl.31, 1933. no.17/22.

Krumbholz, G. & Tauschanoff, W.

Mycotorula intermedia n.sp., ein beitrag zur kenntnis der gärungserreger im wein. Zentralbl. Bakt. Abt. II 88: 366-373. illus. Jl.31, 1933. no.17/22.

Mudrak, A.

Beiträge zur physiologie der leuchtbakterien. Zentralbl. Bakt. Abt.II 88: 353-366. illus. Jl.31, 1933. no.17/22.

Zeitschr. Indukt. Abstamm. u. Vererbungsl. (Leipzig) (442.8Z34)

Michaelis, P.

Entwicklungsgeschichtlich-genetische untersuchungen an Epilobium. II. Die Bedeutung des plasmas für die pollenfertilität des Epilobium luteum-hirsutum-bastardes. (II) Zeitschr. Indukt. Abstamm. u. Vererbungsl. 65: 353-411. 1933. no.3/4.

Der Züchter (Berlin) (442.8Z8)

Bleier, H.

Die störungserscheinungen in den reifungsteilungen und die entstehung orthoploider gonen bei haplodiplonten. Der Züchter 5: 159-168. illus. Jl. 1933. no.7.

Includes results of experiments with Datura, Nicotiana, Solanum and Oenothera.

Boekholt, K.

Untersuchungen über die bedeutung der blattfarbe bei der züchtung von weiss- und schwedenklee. Der Züchter 5: 157-159. Jl. 1933. no.7.

Exp. Stat. Publ.

Gnadinger, C. B., Evans, L. E. & Corl, C. S.

Pyrethrum investigations in Colorado. I. Preliminary report on factors affecting pyrethrin content. Colorado Agr. Exp. Stat. Bull. 401. 19 p. illus. Jl. 1933. (100C71S)

Ripperton, J. C., Goff, R. A., Edwards, D. W. & Davis, W. C.

Range grasses of Hawaii. Hawaii Agr. Exp. Stat. Bull. 65. 58 p. illus. Je. 1933.

Exp. Stat. Publ. (cont.)

Marshall, G. E. & Ford, O. W.
The relation of apple spray schedules to the arsenious oxide and lead residues. Indiana Agr. Exp. Stat. Bull. 381. 19 p. Ap.1933. (100In2P)

Thornton, S. F.
A simple and rapid chemical test on plant material as an aid in determining potassium needs. Indiana Agr. Exp. Stat. Bull. 384. 20 p. illus. My.1933 (100In2P)

Withrow, R. B. & Richman, M. W.
Artificial radiation as a means of forcing greenhouse crops. Indiana Agr. Exp. Stat. Bull. 380. 20 p. illus. Ap.1933. (100In2P)

Kiesselbach, T. A., Anderson, A. & Suneson, C. A.
Winter wheat varieties in Nebraska. Nebraska Agr. Exp. Stat. Bull. 283. 24 p. illus. Jl. 1933. (100N27)

Greenwood, M. L.
Chemical composition of New Mexico Pinto and Bayo beans. New Mexico Agr. Exp.Stat. Bull. 213. 11 p. Je. 1933. (100N465)

Barnett, H. L.
Some edible and poisonous mushrooms of North Dakota. North Dakota Agr. Exp. Stat. Bull. 270. 32 p. illus. Je. 1933. (100N813)

Stevens, O. A.
Wild flowers of North Dakota. North Dakota Agr. Exp. Stat. Bull.269. 51 p. illus. My. 1933. (100N813)

Mooers, C. A.
Balbo rye. Tennessee Agr. Exp. Stat. Circ. 45. 2 p. Jl. 1933. (100T25S)

State Publications

Ball, W. S.
Bureau of weeds and weed control. Month. Bull. Dept. Agr. Calif. 21: 561-567. D.1932. (2C12M)

Root, G. A.
Blister rust activities in California in 1932. Month. Bull. Dept. Agr. Calif. 21: 571. D. 1932. no.12. (2C12M)

New Books.

Greenish, H. G.
A text book of pharmacognosy, being an account of the more important crude drugs of vegetable and animal origin. 6th ed. London, J. & A. Churchill, 1933. (396G83T)

Grossheim, A.
Flora Kavkaza. Tiflis, 1928-30. (Trudy Bot. Sada S.S.R. Armenii. [Erivan] v.1-2) (451Er4)
Russian.

Guillaumin, A.
Arbres et arbisseaux utiles ou ornementaux. Paris, 1927 (Guides aux collections de plantes vivantes du Muséum national d'histoire naturelle III) (97.8G94)

Guillaumin, A.
Plantes économiques et officinales. Paris, 1923. (Muséum national d'histoire naturelle, Guides aux collections de plantes vivantes I) (452.8G94)

Guillaumin, A.
Plantes utiles ornementales ou intéressantes des pays chauds I. Plantes utiles. Paris, 1933 (Guides aux collections de plantes vivantes du Muséum national d'histoire naturelle IV) (460.6G94)

Higgins, V.
The study of cacti. London, Blandford press, 1933. (96.31H532)

Hu, C. C.
Citrus survey in China. 1st report. [Tokyio?] 1930. (J93.33H86)
Reprinted from Agriculture and horticulture v.5, no.11-12, 1930. English résumé.

Maleev, V. L.
Teoreticheskie osnovy akklimatizatsii (Theoretical basis of plant acclimatization) Leningrad, Izdanie Vsesoi͡uznogo instituta ratenievodstva, 1933. (Prilozh. 60. Trud. Prikl. Bot., Gen. i Selek. (Suppl. 60th Bull. Appl. Bot. Gen. & Plant-breed.) (463.84M29)
Russian with English summary.

University of Pennsylvania.
The Morris arboretum of the University of Pennsylvania. Proceedings at the dedication of the Arboretum June 2, 1933. Philadelphia, 1933(451.1P38M)

New Books (cont.)

Zabłocki, J. & Zurowski, J.

Znalezienie zapasów Lithospermum w dwu stanowickach kultury mał opolskiej. (Les provisions de Lithospermum trouvées dans deux fonds de cabane de l'époque de la culture petite-polonaise) Krakow, Nakładem polskiej akademji umiejetności, 1932. (402.1Z1)

French résumé: p. 23-27.

Reprints from Journals not available.

Jenkins, C. F.

The historical background of Franklin's tree. Reprinted from Pennsylvania Mag. Hist. & Biogr. 1933. p.193-208. plates, map. (452.35J41)

Translations filed in Library of Bur. of Plant Industry.

Barneoud, F. M.

Mémoire sur l'anatomie et l'organogenie du Trapa natans (Linn.) Ann. Sci. Nat. Bot. III, 9: 222-244. 1848.

Translation of portion on germination (p.223-225) in B.P.I. files.

Kofman, T.

Action, sur la germination, des tubes lumineux en quartz a haute tension (The action on germination of luminous quartz tubes at high tension) Compt. Rend. Soc. Biol. Paris 112: 895-897. Mr.10, 1933.

Munerati, O., Mezzadroli, G. & Zapparoli, T. V.

I caratteri e il comportamento delle barbabietole derivanti da un unico glomerulo (Characteristics and behavior of beets originated from one and the same seed ball) Staz. Sper. Agr. Ital. 46: 577-588. 1913.

Munerati, O., Mezzadroli, G. & Zapparoli, T. V.

Le variazioni del contenuto in zucchero in barbabietole singolarmente considerate, in rapporto al problema della selezione in Italia (Fluctuations in the sugar content of beets individually considered and in relation to the problem of selection in Italy) Staz. Sper. Agr. Ital. 48: 605-637. 1915.

Translations (cont.)

Schleiden, M. J.

Sur la formation de l'ovule et l'origine de l'embryon dans les phanerogames. (The formation of the ovule and the origin of the embryo in the phanerogams) Ann. Sci. Nat. Bot. II,11: 129-141. 1839.

Takenouchi, Y.

Systematisch-vergleichende morphologie und anatomie der vegetationsorgane der japanischen bambus-arten (Systematic-comparative morphology and anatomy of the vegetative organs of the Japanese bamboo species) Mem. Fac. Sci. & Agr. Taihoku Imp. Univ. v.3, no.1. 60 p. 1931.

Zattler, F.

Ueber eine kropfkrankheit des hopfens in Jugoslawien (About a crowngall disease of hops in Jugoslavia). Prakt. Blätt. Pflanzenb. u. Pflanzensch. 28(n.s.,6): 238-245. 1929.

Correction.

v.15, no.7, p.18.

Journ. Imp. Agr. Exp. Stat. Nishigahara

date in every entry should be Mr. 1932.

Non-current indexing.

Acta Soc. Bot. Polon. (Warsaw) (451So16)

Becker, W. A.

Badania eksperymentalne nad barwieniem za zycia dzielacych sie komórek. Studja nad cytokineza. (Experimentelle untersuchungen über die vitalfärbung sich teilender zellen. Studien über die zytokinese). Acta Soc. Bot. Polon. 9: 381-419. illus., pl. xvi. 1932. no.3/4.

German summary: p.411-419.

Experiments with Tradescantia virginiana, mainly.

Borowicki, S.

Zespoły florystyczne lasu bukowego w Katach (Wielkopolska). (Floristische verhältnisse des buchenwaldes in Katy). Acta Soc. Bot. Polon. 9(suppl.): 57-94. illus. 1932.

German summary: p.90-91.

Czeczott, H.

Diagnoses plantarum novarum in Anatolia septrentrionali anno 1925 lectarum. Acta Soc. Bot. Polon. 9: 31-45. 1932. no.1/2.

Non-current indexing. (cont.)

Acta Soc. Bot. Polon. (cont.)

Dabkowska, I.

Zatorfienien dolinne Łani. (Les tourbières de la vallée de la Łania). Acta Soc. Bot. Polon. 9: 157-205. illus. 1932. no.1/2.

French résumé: p.202-205.

Domagalski, W.

Ueber bewegungs- und trennungsgewebe im blütenstiel von Sparmannia africana L. Acta Soc. Bot. Polon. 9: 131-150. illus., pl. viii-xi. 1932. no.1/2.

Dyakowska, J.

Analiza pyłkowa kilku torfowisk tatrzańskich. (Analyse pollinique de quelques tourbières dans les Tatras). Acta Soc. Bot. Polon. 9: 473-530. 1932. no.3/4.

French résumé: p.518-530.

Gajewski, W.

Dwa nowe gatunki dla flory Polski oraz kilka uwag o nowych stanowiskach roślin z Podola polskiego. (Deux nouvelles espèces de la flore Polonaise et qualques remarques sur les stations nouvelles des plantes en Podolie polonaise). Acta Soc. Bot. Polon. 9(suppl.): 115-121. illus. 1932.

Centaurea ovina, Herniaria incana besseri.

French résumé: p.120-121.

Gajewski, W.

Stosunki geobotaniczne stepu Masiok i przyległych mu hołd okolicznych. (The geobotanical relations of the steppe "Mosiok" and its environment). Acta Soc. Bot. Polon. 9(suppl.): 175-198. illus. 1932.

English summary: p.197-198.

Goetz, J.

Grab (Carpinus betulus L.) w Północno-Wschodniej Polsce, jegorozmieszczenie oraz udział w tworzeniu drzewostanów. (Die hainbuche (Carpinus betulus L.) im Nordosten Polens, ihre verbreitung und ihr anteil im aufbau der waldbestände). Acta Soc. Bot. Polon. 9: 301-351. illus. (maps) 1932. no.1/2.

German summary: p.347-351.

Non-current indexing. (cont.)

Acta Soc. Bot. Polon. (cont.)

Gorczyński, T.

Z badań nad kleistogamja III. Dymorfizm kwiatowy u fjołka wonnego pełnokwiatowego (Viola odorata fl. pleno hort.). Acta Soc. Bot. Polon. 9: 115-130. illus., pl. vii. 1932. no.1/2.

French résumé: p.129-130.

Hrynieiecki, B.

O zasiegach niektórych rzadszych roślin we florze Polski i Litwy. (Dispersion géographique de quelques plantes rares en Pologne et en Lithuanie Acta Soc. Bot. Polon. 9(suppl.) 317-346. illus. (maps) 1932.

Brench résumé: p.344-346.

Kobendza, R.

Jak reaguje system korzeniowy sosny (Pinus silvestris L.) na zawiewanie przez piasek. (Wie reagiert des wurzelsystem der kiefer auf die verschüttung durch den sand). Acta Soc. Bot. Polon. 9(suppl.): 101-113. illus. 1932.

German summary: p.111-113.

Kobendza, R.

O zarastaniu ścietych pni jodłowych. (Ueber das vernarben von weisstannenstümpfen). Acta Soc. Bot. Polon. 9(suppl.): 123-153. illus. 1932.

German summary: p.150-153.

Kowalewska-Maślankiewiczowa, Z.

Megaspory z pokładu Elźbieta (warstwy łaziskie) w Sierszy. (Megasporen aus dem Flötz Eliźbieta in Siersza). Acta Soc. Bot. Polon. 9(suppl.): 155-174. illus. 1932.

German summary: p.172-174.

Krawiec, F.

O rozmieszczeniu sasanki (Pulsatilla Tourn.) w Wielkopolsce. (Ueber die verbreitung der küchenschelle (Pulsatilla Tourn.) in Grosspolen). Acta Soc. Bot. Polon. 9: 531-537. 1932. no.3/4.

Brief German summary: p.537.

Non-current indexing. (cont.)

Acta Soc. Bot. Polon. (cont.)

Kulczyński, S.

Die altdiluvialen dryasfloren der gegend von Przemyśl. Acta Soc. Bot. Polon. 9: 237-299. pl. xii-xv. 1932. no.1/2.

Paczoski, J.

Sur quelques plantes nouvelles pour la flore de la Bosnie et de la Bulgarie. Acta Soc. Bot. Polon. 9: 1-6. pl. i-iv. 1932. no.1/2.

Paszewski, A.

Die biologische struktur des buchenwaldes in Katy bei Oborniki. Acta Soc. Bot. Polon. 9(suppl.): 95-99. 1932.

Prywer, C.

Genetische studien über die bastarde zwischen Geum urbanum L. und Geum rivale L. Acta Soc. Bot. Polon. 9: 87-114. illus. 1932. no.1/2.

Stec-Rouppertowa, W.

Tilletia separata J. Kunze, rzadka śnieć na mietlicy zbozowej z Polski. (Tilletia separata J. Kunze, ein seltener brandpilz auf Apera spica venti in Polen). Acta Soc. Bot. Polon. 9: 539-546. illus. 1932. no.3/4.

Brief German summary: p.545-546.

Stecki, K. & Jakubczyk, C.

Wystepowanie azalji pontyjskiej (Azalea pontica L.) na wołyniy i Polesiu w zwiazku z rozmieszczeniem skał krystalicznych masywu wołyńsko-ukraińskiego. (Présence de l'azalée pontique (Azalea pontica L.) en Volhynie et Polesie en relation avec la distribution de roches cristailines du massif Volhyno-Ukrainien). Acta Soc. Bot. Polon. 9(suppl.): 13-34. illus. (map) 1932.

French résumé: p.32-33.

Stolarski, P.

Rozmieszczenie buka w Wielkopolsce. Acta Soc. Bot. Polon. 9(suppl.): 35-56. illus. (map) 1932.

Non-current indexing. (cont.)

Acta Soc. Bot. Polon. (cont.)

Szymkiewicz, D.
Observations biométriques. Acta. Soc. Bot. Polon. 9: 353-364. 1932. no.1/2.

Tołpa, S.
Krasowe torfowiska koło Rózany na Polesiu. (Karst-moore bei Rózana in Polesie). Acta Soc. Bot. Polon. 9(suppl.): 289-316. illus. (map) 1932.
German summary: p.313-316.

Tołpa, S.
Torfowisko wyzynne "Mako" koło Antonówki na Polesiu. (Das hochmoor "Mak" bei Antonówka in Polesie). Acta Soc. Bot. Polon. 9(suppl.): 217-235. 1932.
German summary: p.234-235.

Wilczek, R.
Starodyluwjalne mchy Walawy i Baryczy. (Altdiluviale moose von Walaw und Barycz). Acta Soc. Bot. Polon. 9(suppl.): 237-288. 1932.
Brief German summary: p.288.

Wodziczko, A.
Jósef Paczoski. (Professor Joseph Paczoski a pioneer of phytosociology). Acta Soc. Bot. Polon. 9(suppl.): iii-xv. port. 1932.
English summary: p.v-vii.

Wodziczko, A. & Thomaschewski, M.
Staniszewskie Błoto na kaszubszczyźnie (analiza pyłkowa)(Das heidemoor Staniszewskie Bloto in der kaschubel. Pollenanalyse). Acta Soc. Bot. Polon. 9(suppl.): 1-11. 1932.
German summary: p.6-7.

Wodziczko, A.
Z badań nad historja roślinności w Wielkopolsce droga analizy pyłkowej. (Investigations in the history of the vegetation of Poznania by means of pollen analysis). Acta Soc. Bot. Polon. 9: 151-155. 1932. no.1/2.
Brief English summary: p.155.

Non-current indexing. (cont.)

Acta Soc. Bot. Polon. (cont.)
Wóycicki, S.
Krytyczny przeglad rozwoju pogladów na mieszańce wegetatywne, w zwiazku z próba rozwiazania sprawy mieszańca wegetatywnego lilaków odmian: Président Poincaré - Dame Blanche. (Aperçu critique des données concernant les hybrides végétatifs, en relations avec les essais de la solution du problème de l'hybride végétatif des lilas, variétés Président Poincaré - Dame Blanche). Acta Soc. Bot. Polon. 9: 47-86. illus., pl.vi. 1932. no.1/2.
French résumé: p.80-86.

Wócyicki, Z.
Nieco szczegółów z zakresu rozwoju pylników i pyłku u niektórych przedstawicieli rodzaju Gentiana. I. (Quelques détails du développment des anthères et du pollen chez certains réprésentants du genre Gentiana. I. Gentiana asclepiadea L. Acta Soc. Bot. Polon. 9: 7-30. illus., pl.v. 1932. no.1/2.
French résumé: p.29-30.

Wóycicki, Z.
Ueber die simultane tetradenteilung. Acta Soc. Bot. Polon. 9: 457-472. illus. 1932. no.3/4.
In Gentiana.

Zabłocka, W.
Grzyby kapeluszowe Zarytego koło Rabki. (Les champignons à chapeau de Zaryte près de Rabka). Acta Soc. Bot. Polon. 9(suppl.): 199-216. 1932.

Journ. Pomol. & Hort. Sci. (London) (80J825)
Harris, R. V.
Grafting as a method of investigating a possible virus disease of the strawberry. Journ. Pomol. & Hort. Sci. 10: 35-41. illus., pl. Mr. 1932. no.1.

Pearl, R. T.
The inflorescences of apple trees. Their use in the identification of varieties. Journ. Pomol. & Hort. Sci. 10: 19-26. ii pl., fold. tab. Mr. 1932. no.1.

Non-current indexing. (cont.)

Journ. Pomol. & Hort. Sci. (cont.)

Swarbrick, T. & Naik, K. C.

Factors governing fruit bud formation. IX. A study of the relation between leaf area and internode length in the shoots of Worcester Pearmain apple, as affected by six different vegetative root-stocks. Journ. Pomol. & Hort. Sci. 10: 42-63. Mr. 1932. no.1.

Wormald, H.

Supplementary note on plum bacterial canker. Journ. Pomol. & Hort. Sci. 10: 64. Mr. 1932. no.1.

Kolloid-Zeitschr. (Dresden) (384Z315)

Wertheimer, E.

Die physiologie pflanzlicher und tierischer membranen. Kolloidzeitschr. 61: 181-198. N.1932. no.2.

Proc. Penn. Acad. Sci. (Harrisburg) (500P383)

Bruce, H. A.

Cell size in relation to chromosome lengths in garden peas. Proc. Penn. Acad. Sci. 6: 89-91. 1932.

Bruce, H. A.

Chromosomal lengths in five varieties of the garden pea (Pisum sativum). Proc. Penn. Acad. Sci. 6: 87-89. 1932.

Clark, R. S.

Stem anatomy of tomato, Lycopersicum esculentum L. Proc. Penn. Acad. Sci. 6: 60-65. 1932.

Darrah, W. C.

Recent paleobotanic investigations near Pittsburgh, Pennsylvania. Proc. Penn. Acad. Sci. 6: 110-114. 1932.

Darrah, W. C.

The status of paleozoic pteridosperms. Proc. Penn. Acad. Sci. 6: 115-119. 1932.

Henry, L. K.

Ecological notes upon the flora of an old lake basin. Proc. Penn. Acad. Sci. 6: 119-120. 1932.

Deer Pond, Wading River, Long Island.

Non-current indexing. (cont.)

Proc. Penn. Acad. Sci. (cont.)

Henry, L. K.
Mycorrhizas of deciduous trees. Proc. Penn. Acad. Sci. 6: 121-124. illus. 1932.

Little, T. M.
Additional Hepaticae from central Pennsylvania. Proc. Penn. Acad. Sci. 6: 104-105. 1932.

Lutz, H. J.
Notes on plant indicators of mull forest soil in northwestern Pennsylvania. Proc. Penn. Acad. Sci. 6: 125-127. 1932.

Morrissey, R. V.
Some observations on seed production on Presque Isle, Pa. Proc. Penn. Acad. Sci. 6: 80-82. 1932.

Perry, G. S.
Some tree antagonisms. Proc. Penn. Acad. Sci. 6: 136-141. 1932.

Wherry, E. T.
Ecological studies of serpentine-barren plants. I. Proc. Penn. Acad. Sci. 6: 32-38. 1932.

Schrift. Ver. Verbr. Naturw. Kenntn. Wien (510V672)

Molisch, H.
Versuche mit pflanzen ohne apparate. Schrift. Ver. Verbr. Naturw. Kenntn. Wien 72: 49-71. illus. 1932.

Zeller, A.
Wuchs-,wund- und reizstoffe bei pflanzen. Schrift. Ver. Verbr. Naturw. Kenntn. Wien 72: 73-97. 1932.

BOTANY

CURRENT LITERATURE

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D.C.

LIBRARY
RECEIVED
★ SEP 23 1933 ★
U. S. Department of Agriculture

Vol. 15, no. 18. Aug.28-Sept.9, 1933.

Agr. Gaz. N.S.W. (Sydney) (23N472)

Eastwood, H. W.

Bunchy top control. Early identification, eradication of infective aphids, and destruction of diseased stools. Agr. Gaz. N.S.W. 44: 611-614. illus. Ag. 1, 1933. no.8.

Magee, C. J.

Chocolate spot of broad beans. Agr. Gaz. N.S. W. 44: 580. illus. Ag.1, 1933. no.8.

Cause undetermined. Spots are not symptoms of infectious disease.

Amer. Nurserym. (Rochester, N.Y.) (80Am371)

Dutch elm disease in New York. Amer. Nurserym. 58: 58-59. S.1, 1933. no.5.

Amer. Potato Journ. (75.8P842)

Carolus, R. L.

Some signigicant variations in the chemical composition of the plant associated with a malnutrition trouble of potatoes. Amer. Potato Journ. 10: 147-165. Ag. 1933. no.8.

Magnesium deficiency.

Ann. Mycol. (Berlin) (450An76)

Schaeffer, J.

Russula-monographie. Ann. Mycol. 31: 305-515. pl. xxvi-xxvii (1 col.) 1933. no. 5/6.

Ann. Transvaal Mus. (Pretoria) (515T68)

Bremekamp, C. E. B.

New or otherwise noteworthy plants from the northern Transvaal. Ann. Transvaal Mus. 16: 233-264. Ag.1, 1933. no.2.

Includes new genera: Pseudocimum, Nautochilus, Dinocanthium.

Obermeijer, A. A.

A revision of the South African species of Barleria. Ann. Transvaal Mus. 16: 123-180. pl. i-ii, fold.mpas. Ag.1, 1933. no.2.

319129

Beih. Bot. Centralbl. Abt.I. (Dresden) (450B65B)

Meyer, H.
Das chloroso- und panaschureproblem bei chlorellen. II. Beih. Bot. Centralbl. Abt.I. 51: 170-203. illus., pl. ii. Jl. 1933. no.1.

Mussack, A.
Untersuchungen über Cystopteris fragilis. Beih. Bot. Centralbl. Abt.I. 51: 204-254. illus. Jl. 1933. no.1.

Oehm, G.
Polyporus squamosus (Huds.) Fr., Seine morphologie und physiologische anatomie. Beih. Bot. Centralbl. Abt.I, 51: 101-159. illus., pl. i. Jl. 1933. no.1.
Beiträge zur kenntinis der hymenomyceten. IV.

Oehm, G.
Zur entwicklungsgeschichtlichen auffassung des abschlussgewebes von Polyporus squamosus (Huds.) Fr. Beih. Bot. Centralbl. Abt.I, 51: 159-164. illus. Jl. 1933. no.1.
Beiträge zur kenntnis der hymenomyceten. V.

Reinhard, H.
Ueber gesetzmässigkeiten in der blattfolge einjähriger pflanzen. Beih. Bot. Centralbl. Abt.I, 51: 255-268. illus. Jl.1933. no.1.
Experiments with Phaseolus.

Vischer, W.
Ueber einige kritische gattungen und die systematik der Chaetophorales. Beih. Bot. Centralbl. Abt.I, 51: 1-100. illus. Jl. 1933. no. 1.

Ber. Deut. Chem. Ges. (Berlin) (384B45)

Asahina, Y., Yanagita, M., Hirakata, T. & Ida, M.
Untersuchungen über flechtenstoffe XXVIII. Ueber das vorkommen von stictinsäure in verschieden flechten. Ber. Deut. Chem. Ges. 66: 1080-1086. Ag.2, 1933. no.8.

Ber. Deut. Chem. Ges. (cont.)
Späth, E., and others

Ueber pflanzliche fischgifte. IV-VII. Ber. Deut. Chem. Ges. 66: 914-922, 1137-1145, 1146-1150, 1150-1156. Je.5, Ag.2, 1933. no.6,8.

IV. Die konstitution von hydroxypeucedain (aus Imperatoria ostruthium). V. Die konstitution des imperatorins VI. Die konstitution des isoimperatorins VII. Die konstitution des ostruthols.

Biol. Zentralbl. (Leipzig) (442.8B523)
Heilbronn, A.

Ueber die genetische lokalisation stoffwechsel generationsfolge regulierender anlagen. Biol. Zentralbl. 53: 431-441. 1933. no.7/8.

Experiments with Polypodium aureum.

Ubisch, G. V.

Die georeaktionen der haupt- und nebenwurzeln. Biol. Zentralbl. 53: 382-404. illus. 1933 no.7/8.

White, P. R.

Liquid media as substrata for the culturing of isolated root tips. Biol. Zentralbl. 53: 359-364. illus. 1933. no.7/8.

Bol. Agr. Soc. Antioq. Agr. Colombia (9.4Sol)
Franco, R. M.

Una seria enfermedad en los Guamos que se utilizan para el sombrio de los cafetales. Bol. Agr. Soc. Antioq. Agr. Colombia 7: 1008-1011. illus. Jl. 1933. no.180.

Bacterium tumefaciens.

Boll. R. Staz. Patol. Veg. Roma (Firenze) (464.9R662)
Biraghi, A.

Sviluppo di piante a luce di fosforescenza. Boll. R. Staz. Patol. Veg. Roma n.s., 13: 181-189. illus. 1933. no.2.

Brief English summary: p.187-188.

"A study of the effect of phosphorescent light on wheat seedlings is described."

Ciferri, R.

Le malattie della manioca (Manihota esculenta Crantz) in San Domingo. I-II. Boll. R. Staz. Patol. Veg. Roma n.s.,13: 227-240, 241-308. xi pl. 1933. no.2

English summaries: p.239, 305-306.

I. Notizie sull'ambiente in cui si effettuarono gli studi. II. La malattia delle macchie fogliari circolari (Helminthosporium hispaniolae Cif.)

Boll. R. Staz. Patol. Veg. Roma (cont.)

Cocchi, F.

Çascola della gemme a fiore nei peschi delle varieta Amsden e Mayflower. Boll. R. Staz. Patol. Veg. Roma n.s., 13: 190-202. illus. 1933. no.2.

English summary: p.202.

Rabinovitz-Sereni, D.

Influenza del magnesio sullo sviluppo di alcuni funghi. Boll. R. Staz. Patol. Veg. Roma n.s., 13: 203-226. 1933. no.2.

English summary: p.225.

Penicillium glaucum, Botrytis cinerea, Alternaria tenuis.

Bull. Fan Mem. Inst. Biol. (442.9F21)

Tang, Y.

Timber studies of Chinese trees. III. Identification of some important hardwoods of south China by their gross structures. Bull. Fan Mem. Inst. Biol. 3: 253-326. xviii pl. N.24, 1932. no.17.

Bull. Mens. l'Agence Écon. l'Afrique Occid. Franç. (Paris) (270F842B)

Bouffil, F.

Contribution à l'étude de deux maladies de l'arachide. I-II. Bull. Mens. l'Agence Écon. l'Afrique Occid. Franç. 14: 3-6. illus. Ja. 1933. no. 145.

I. Rosette. II. Clump.

Bull. Min. Agr. Egypt Techn. & Sci. Serv. (24Eg93)

Seif-el-Nasr, A.-G.

Methods for preserving plants in their natural form and colour. Bull. Min. Agr. Egypt Techn. & Sci. Serv. 124. 14 p. iv pl. (col.) 1932.

Bull. Misc. Inform. Kew. (London) (89K51B)

Dallimore, W.

Fastigiate and pyramidal larches. Bull. Misc. Inform. Kew. 1933: 303-304. 1933. no.6.

Stapf, O., & Hubbard, C. E.

Notes on African Grasses. XIII. Bull. Misc. Inform. Kew. 1933: 269-302. 1933. no.6.

Turner, J. H.

The viability of seeds. Bull. Misc. Inform. Kew. 193: 257-268. 1933. no.6.

Bull. Mus. Hist. Nat. Paris (410.9P213)

Camus, A.

Isachne trochainii A. Camus espece nouvelle de l'Afrique tropical. Bull. Mus. Hist. Nat. Paris II, 5: 250-251. Mr. 1933. no.3.

Camus, A.

Un Panicum du Congo, le P. robynsii A. Camus. Bull. Mus. Hist. Nat. Paris II, 5: 336. Ap. 1933. no. 4.

Chevalier, A.

Plantes nouvelles ou peu connues de l'Afrique tropical. II. Bull. Mus. Hist. Nat. Paris II, 5: 230-237. Mr. 1933. no. 3.

Crotalaria paludosa, Merremia geophiloides, M. hastifolia and new species in Ipomaea.

Guillaumin, A.

Contributions a la flore de la Nouvelle-Caledonie. LX-LXI. Bull. Mus. Hist. Nat. Paris II, 5: 242-249, 322-327. Mr., Ap. 1933. no. 3,4.

LX-LXI. Plantes recueillies par M. Franç. (9th & 10th suppl.)

Humbert, H.

Kalanchoe (crassulacees) nouveaux ou peu connus de Madagascar. (cont.) Bull. Mus. Hist. Nat. Paris II, 5: 238-241. Mr. 1933. no. 3.

Russell, M. W.

Sur une particularite du periderme de Gyrocarpus asiaticus Willd. Bull. Mus. Hist. Nat. Paris II, 5: 252. Mr. 1933. no. 3.

Tardieu-Blot, Mme. M. L.

Contribution a l'etude des fougeres de l'Indo-Chine. Bull. Mus. Hist. Nat. Paris II, 5: 333-335. Ap. 1933. no. 4.

Coniogramme petelotii n.sp.

Tisserant, C.

Abrus nouveau de l'Oubangui. Bull. Mus. Hist. Nat. Paris II, 5: 332. Ap. 1933. no. 4.

Trochain, J.

Lepistemon (convolvulacees) nouveau de l'Afrique centrale. Bull. Mus. Hist. Nat. Paris II, 5: 328-331. illus. Ap. 1933. no. 4.

Lepistemon chevalieri.

Bull. Pop. Inform. Morton Arb. (Lisle, Ill.) (99.9M84)
Kammerer, E. L.
Late blooming lilac species. Bull. Pop. Inform. Morton Arb. 8: 25-28. Ag. 15, 1933.

Bull. Soc. Sci. Nat. Maroc. (Rabat) (410.9So1)
Gattefosse, J. & Werner, R. G.
Catalogus bryophytum marocanorum adhuc cognitorum. Bull. Soc. Sci. Nat. Maroc 12: 228-280. D. 31, 1932. no. 7/8.

Cactus & Succ. Journ. (Los Angeles) (451C11)
Braunton, E.
Cacti of the Rio Grande valley. Cactus & Succ. Journ. 5: 419-421. illus. Ag. 1933. no.2.

Poindexter, R. W.
What do you call this? Cactus & Succ. Journ. 5: 421-424. Ag. 1933. no. 2.
Suggests that collectors "set up a perfectly definite list of plants for the sole purpose of accurate and permanent labeling and of clearness and accuracy in communicating with others".

Canad. Flor. (Peterboro, Ont.)
Dr. W. T. Macoun. Canad. Flor. 28: 270. port. Ag. 22, 1933.
Notice of death on Ag. 13, 1933.

Canad. Field Nat. (Ottawa) (410.9Ot8)
Güssow, W. C.
Contribution to the knowledge of the flora of northern Manitoba and the north-western territories, Dominion of Canada. (lat. 58°-62°; long. 95°-100°. Hudson Bay). Canad. Field Nat. 47: 116-119. S. 1933. no.6.

Compt. Rend. Acad. Sci. Paris (505P21)
Hayata, B.
Quelques interpretations de la reduction chromatique. Compt. Rend. Acad. Sci. Paris 197: 462-465. Ag. 7, 1933. no. 6.
Remarques de M. Blaringhem au sujet de la note de M. Bunzo Hayata: p.464-465.

Jumelle, H.
Les palmiers de Madagascar. Compt. Rend. Acad. Sci. Paris 197: 437-440. Ag. 7, 1933. no.6.

Contr. Biol. Lab. Sci. Soc. China Bot. Ser. (442.9Sci2B)

Cheng, W. C.
Plantae novae chekiangenses. Contr. Biol. Lab. Sci. Soc. China Bot. Ser. 8: 135-142. illus. D. 1932. no.2.
Carpinus tientaiensis, Schisandra bicolor, Wikstroemia pilosa,n.spp.

Chien, S. S.
Three undescribed species of Leguminosae. Contr. Biol. Lab. Sci. Soc. China Bot. Ser. 8: 129-134. illus. D. 1932. no.2.
Campylotropis reticulata, Indigofera glabra, Maackia chekiangensis.

Fang, W. P.
Further notes on Chinese Aceraceae. Contr. Biol. Lab. Sci. Soc. China Bot. Ser. 8: 162-182. illus. D. 1932. no.2.
Acer pictum var. nov., A.acutum, A. pubipalmatum n.spp.

Ling, L.
Enumeration of the fungi in the herbarium of National university of Peking. Contr. Biol. Lab. Sci. Soc. China Bot. Ser. 8: 183-191. D.1932. no.2.

P'ei, C.
The vascular plants of Nanking. I. Contr. Biol. Lab. Sci. Soc. China Bot. Ser. 8: 77-98. D. 1932. no.2.

Shen, C. I.
Fungi of Nanking. IV. Contr. Biol. Lab. Sci. Soc. China Bot. Ser. 8: 153-161. D.1932. no.2.

Teng, S. C.
Fungi of Chekiang. II. Contr. Biol. Lab. Sci. Soc. China Bot. Ser. 8: 103-119. pl. ii. D. 1932. no.2.

Teng, S. C.
Fungi of Nanking. III. Contr. Biol. Lab. Sci. Soc. China Bot. Ser. 8: 143-152. D.1932. no.2.

Teng, S. C.
Some fungi from Canton. Contr. Biol. Lab. Sci. Soc. China Bot. Ser. 8: 121-128. D.1932. no.2.

Contr. Biol. Lab. Sci. Soc. China Bot. Ser. (cont.)

Teng, S. C. & Ling, L.

Some new species of fungi. Contr. Biol. Lab. Sci. Soc. China Bot. Ser. 8: 99-101. pl. i. D. 1932. no.2.

Boletus shichianus, Daedalea shichiana, Lenzites juniperina.

Current Science (Bangalore) (475Sci23)

Chaudhuri, H.

A review of the work on fungi in India. Current Science 2:4-7. Jl. 1933. no.1.

Ghose, S. L. & Randhawa, M. S.

Aplanospore-formation in Vaucheria uncinata Kutz. Current Science 2: 15-16 illus. Jl. 1933. no.1.

Maheshwari, P.

The development of the endosperm in Asphodelus tenuifolius Cav. Current Science 2: 13. illus. Jl. 1933. no.1.

Maheshwari, P.

A note on the life history of Hydrilla verticillata Presl. Current Science 2: 13-14. illus. Jl. 1933. no.1.

Mohan Johri, B.

Contribution to the morphology of Limnophyton obtusifolium Mzq. Current Science 2: 12-13. illus. Jl. 1933. no.1.

Fruit Grow. Fruiterer, Flor. & Mark. Gard. (London)

Wormald, H.

Brown rot fungi. Recent observations on their incidence. I- Fruit Grow. Fruiterer, Flor. & Mark. Gard. 76: 229-230. Ag.17, 1933. no.1966.

Gard. Chron. (London) (80G162)

Banfield, F. S.

Plant hunting in the mountains of Malaya. Gard. Chron. III, 94: 143-144. Ag.19, 1933. no.2434.

Ward, F. K.

Mr. F. Kingdon Ward's eleventh expedition in Asia. XXXV. A long halt. Gard. Chron. III, 94: 142-143. illus. Ag.19, 1933. no.2434.

Gazz. Chim. Ital. (Roma) (385G25)

Quilico, A.

Sulla natura del pigmento delle spore dell'Aspergillus niger. Nota III sull'aspergillina. Gazz. Chim. Ital. 63: 400-410. Je. 1933. no.6.

Indian For. (Dehra Dun) (99.8In2)

Davis, D.

Polyporus shoreae (sal root fungus) in Bahraich division. Indian For. 59:507-512. Ag.1933. no.8.

Hole, R. S.

Plant pathology in the forests of India. II. Indian For. 59: 500-507. Ag.1933. no.8.

Indian Journ. Agr. Sci. (Calcutta) (22Ag83I)

Ayyangar, G. N. R. & others

The inheritance of characters in Setaria italica (Beauv.), the Italian millet. IV-VI. Indian Journ. Agr. Sci. 3: 552-556, 557-558, 559-560. pl. xxxix-xl. Je. 1933. no.3.

IV. Spikelet-tipped bristles. V. A type of lax earhead. VI. Albinism.

Ayyangar, G.N.R., Narayanan, T. R., & Särma, P. S.

Studies in Setaria italica (Beauv.), the Italian millet. I. Anthesis and pollination. Indian Journ. Agr. Sci. 3: 561-571. pl.xii. Je. 1933. no.3.

Dastur, R. H. & Samant, K. M.

A method for the determination of carbohydrates in leaves. Indian Journ. Agr. Sci. 3: 460-477. Je. 1933. no.3.

Ramiah, K.

Genetic association between flowering duration and plant height and their relationship to other characters in rice (Oryza sativa L.) Indian Journ. Agr. Sci. 3: 433-445. Je. 1933. no.3.

Ramiah, K.

Inheritance of flowering duration in rice (Oryza sativa L.) Indian Journ. Agr. Sci. 3: 377-410. pl. xxvii. Je. 1933. no.3.

Ramiah, K.

Inheritance of height of plants in rice (Oryza sativa L.) Indian Journ. Agr. Sci. 3: 411-432. pl. xxviii-xxx. Je. 1933. no.3.

Indian Journ. Agr. Sci. (cont'd)

Ramiah, K.

Inhibitory factor hypothesis and the inheritance of flowering duration and plant height in rice (Oryza sativa L.) Indian Journ. Agr. Sci. 3: 446-459. Je. 1933. no.3.

Rhind, D. & Thein, U B.

The classification of Burmese sesamums (Sesamum orientale Linn.) Indian Journ. Agr. Sci. 3:478-495. pl. xxxi. Je. 1933. no.3.

Singh, U. B.

Physiology of Cercospora dolichi E. and E. Indian Journ. Agr. Sci. 3:496-529. pl. xxxii-xxxiv (1 col.) Je.1933. no.3.

Indian Journ. Med. Res. (448.8In22)

Chopra, R. N. & Roy, A. C.

A proteolytic enzyme in cucumber (Cucumis sativus) Indian Journ. Med. Res. 21: 17-23. Jl.1933. no.1.

Izv. Akad. Nauk SSSR (Bull. Acad. Sci. URSS) (Leningrad)

Burgwitz, G. A. (511Sa2B)

K voprosu ob ispol'zovanii morskikh vodorosleĭ dli͡a poluchenii͡a prozhzheĭ i spirta (Utilisation des algues marines pour obtenir des levures et de l'alcohol). Izv. Akad. Nauk SSSR (Bull. Acad. Sci. URSS) 1933: 837-848. no.6.

Russian with German summary.

Meisel, M. N.

O kombinirovannom deĭstvii kamennougol'noĭ smoly i ul'trafioletovykh lucheĭ na razvitie drozhzheĭ (De l'action combinée de la poix carbonifère et des rayons ultra-violets sur le développement des levures Izv. Akad. Nauk SSSR (Bull. Acad. Sci. URSS) 1933; 849-853. ii pl.

Russian.

Rochlin, E. I.

Kletochnoe i͡adro drozhzhei ĭ reaktsii͡a Feulgen'a (Sur la réacton nucléaire de Feulgen dans les levures). Izv. Akad. Nauk SSSR (Bull. Acad. Sci. URSS) 1933: 855-858. pl. no.6.

Russian.

Journ. Agr. Prat. (Paris) (14J82)
Miège, E.
La reviviscence des graines de céréales. Journ. Agr. Prat. 97(2): 133-135. Ag.12, 1933. no.32.

Journ. Agr. Res. (Washington, D. C.) (1Ag84J)
Fellers, C.R. & Isham, P.D.
Vitamins C and A in blueberries. Journ. Agr. Res. 47: 163-165. Ag.1, 1933. (Rec'd Ag.30) no.3.

Polhamus, L. G.
Rubber content of various species of goldenrod. Journ. Agr. Res. 47: 149-152. Ag.1, 1933. (Rec'd Ag.30) no.3.

Rose, D. H. & Lutz, J. M.
Injury to pears caused by paper liners impregnated with sodium silicate. Journ. Agr. Res. 47: 153-162. Illus. Ag.1, 1933. (Rec'd Ag.30) no.3.

Journ. Biochem. Tokyo (385J822)
Tanaka, K.
Ueber die sterine des reisembryos. II. Ergosterin und vitamin D. Journ. Biochem. Tokyo 18: 1-13. illus. Jl. 1933. no.1.

Journ. Dept. Agr. So. Australia (Adelaide) (23So84)
Johnston, W. C.
A review of some of the cruciferous weeds occurring in South Australia, with particular reference to the lower north. (cont.) Journ. Dept. Agr. So. Australia 36: 1356-1362. illus. Jl.15, 1933. no.12.

Journ. Dept. Agr. West. Austral. (Perth) (23W52J)
Elliott, H. G.
Kikuyu grass. Journ. Dept. Agr. West. Austral. II,10: 253-261. illus. Je.1933. no.2.
Pennisetum clandestinum.

Hearman, J.
Control of black spot or scab of pears in western Australia. Journ. Dept. Agr. West. Austral. II, 10: 292-316. illus. Je. 1933. no.2.

Pittman, H. A.
Frost injury of wheat. Journ. Dept. Agr. West. Austral. II,10: 286-291. illus. Je. 1933. no.2.

Journ. Dept. Sci. Univ. Calcutta (513C124)

Agharkar, S. P. & Banerji, I.
The development of the embryo-sac in Carica papaya. Journ. Dept. Sci. Univ. Calcutta v.10, no.2. 8 p. ii pl. 1933.

Bose, S. R.
Tissue-culture of Ganoderma colossus, Fr. Journ. Dept. Sci. Univ. Calcutta v.10, no.8. 2 p. 2 pl. 1933.

Brühl, P. & Sarkar, N.
The mosses of Bengal. First contribution. Journ. Dept. Sci. Univ. Calcutta v.10, no.1. 12 p. iii pl. 1933.

Sen, S.
The systematic value of leaf ash. Journ. Dept. Sci. Univ. Calcutta v.10, no.16. 8 p. pl. 1933.

Sengupta, S.
The flora of Sikkim. Journ. Dept. Sci. Univ. Calcutta v.10, no.10. 7 p. 1933.

Journ. Fac. Agr. Hokkaido Imp. Univ. Sapporo. (107.6J273J)

Kakesita, K.
A contribution to the knowledge of regneration in higher plants. Journ. Fac. Agr. Hokkaido Imp. Univ. Sapporo v.35, pt.1. 100 p. illus. Jl. 1933.

Landw. **Jahrb. Bayern** (**München**) (**18L24**)

Honecker, L.
Aktuelle probleme zur bekämpfung von pflanzenkrankheiten durch züchtung unter besonderer berücksichtigung des getreides. Landw. Jahrb. Bayern 23: 403-418. 1933. no.6/7.

Mem.y Rev. Soc. Sci. Antonio Alzate (Mexico) (516M57)

Gandara, G.
Flora representada en ceramica nahoa precortesiana. Mem. y Rev. Soc. Sci. Antonio Alzate 51: 293-340. illus. 1932. no.7/8.

Khankhoje, P.
Algunos productos nuevos del campo de experimentacion de agricultura en Chapingo, Mex. Nuevas variedades de maiz. Mem. y Rev. Soc. Sci. Antonio Alzate 51: 359-370. pl. xv-xviii. 1932. no.9/10.

Möller's Deut. Gärtn.-Zeit. (Erfurt) (80M73)
Otte, H.
Die ulmen-krankheit. (cont.) Möller's Deut. Gärtn.-Zeit. 48: 284-285. Ag.21, 1933. no.24.

Nat. Geogr. Mag. (470N213)
Borah, L. A.
Some odd pages from the annals of the tulip. Nat. Geogr. Mag. 64:321-344. illus., pl. ix-xvi. (col.) S. 1933. no.3.

Nature (London) (472N21)
Barritt, N. W.
Nitrogen and plant nutrition. Nature 132: 279-280. Ag.19, 1933. no.3329.

Bond, R. M.
Ecology of a swamp in the American tropics. Nature 132:277-278. Ag.19, 1933. no.3329.
Trou Caïman, Haiti.

Cotton, A. D.
Disappearance of Zostera marina. Nature 132: 277. Ag.19, 1933. no.3329.

Nolan, T. J. & Keane, J.
Salazinic acid and the constituents of the lichen, Lobaria pulmonaria. Nature 132: 281. Ag.19, 1933. no.3329.

Nauk. Zapiski Tsukr. Prom. [Sci. Contr. Sugar Ind.] (Kiev) (65.9K54)
Kovalenko, V. G.
K anatomii sveklovichnykh kornei, poluchennykh v resul'tate glazkovaniia (The anatomy of sugar beet roots, obtained by means of eyes). Naukovi Zapiski Tsukr. Prom. [Sci. Contr. Sugar Ind.] 1933(Mr./Ap.): 33-46. illus., 2 pl.
Russian.

New Phytol. (London) (450N42)
Arber, A.
Floral anatomy and its morphological interpretation. New Phytol. 32: 231-242. Ag.14, 1933. no.3.

Bennet-Clark, T. A.
The role of the organic acids in plant metabolism III. New Phytol. 32: 197-230. Ag.14, 1933. no.3.
1. The acid metabolism of the mould fungi. 2. The formation of plant acids in protein metabolism.
3. General conclusion and summary.

New Phytol. (cont.)
Bharadwaja, Y.
A new species of Draparnaldiopsis (Draparnaldiopsis indica sp.nov.) New Phytol. 32: 165-174. illus., pl. viii. Ag.14, 1933. no.3.

Ingold, C. T.
Spore discharge in the ascomycetes. I. Pyrenomycetes. New Phytol. 32: 175-196. illus. Ag.14, 1933. no.3.

Pecan Grow. (Brownwood, Tex.) (94.68P332)
Smith, C. L. & Romberg, L. D.
Pollination control, period of receptivity, and pollen viability in the pecan. Pecan Grow. 1(2): 3, 12. Ja. 1933.

Pflanzenbau (Berlin) (18P48)
Freise, F. W.
Wissenschaftliche beobachtungen beim anbau von heilpflanzen. Pflanzenbau 10: 21-35. Jl. 1933. no.1.

Hollrung, M.
Die wertschätzung der getreidesaat durch die bewurzelungsstärke im keimversuch. Pflanzenbau 10: 17-21. Jl. 1933. no.1.

Philipp. Journ. Sci. (Manila) (475P53)
Copeland, E. B.
Trichomanes. Philipp. Journ. Sci. 51: 119-280 61 pl. Je. 1933. no.2.

Planta Arch. Wiss. Bot. (Berlin) (450P693)
Gassner, G. & Goeze, G.
Weitere untersuchungen über die abhängigkeit der assimilationsgrösse junger getreideblätter von der kaliernährung der versuchspflanzen. Planta Arch. Wiss. Bot. 20: 391-406. Ag.3, 1933. no.2.

Heyl, J. G.
Der einfluss von aussenfaktoren auf das bluten der pflanzen. Planta Arch. Wiss. Bot. 20: 294-353. illus. Ag.3, 1933. no.2.
Experiments with Sanchezia nobilis, Ricinus zanzibariensis and Brassica oleracea.

Hofe, F.v.
Permeabilitätsuntersuchungen as Psalliota campestris. Planta Arch. Wiss. Bot. 20: 354-390. Ag.3, 1933. no.2.

Planta Arch. Wiss. Bot. (cont.)

Navashin, M.

Altern der samen als ursache von chromosomenmutationen. Planta Arch. Wiss. Bot. 20: 233-243. illus. Ag.3, 1933. no.2.

Experiments with Crepis.

Radulescu, E.

Beiträge zur kenntnis der feldresistenz des weizens gegen Puccinia glumarum tritici. Planta Arch. Wiss. Bot. 20: 244-286. illus. Ag.3, 1933. no.2.

Wallner, J.

Oocardium stratum Naeg., eine wichtige tuffbildende alge Südbayerns. Planta Arch. Wiss. Bot. 20: 287-293. illus. Ag.3, 1933. no.2.

Proc. Amer. Phil. Soc. (Philadelphia) (500P533)

Merrill, E. D.

Loureiro and his botanical work. Proc. Amer. Phil. Soc. 72: 229-239. 1933. no.4.

Trelease, W.

An unusual chimaera. Proc. Amer. Phil. Soc. 72: 241-242. ii pl. 1933. no.4.

x Quercus bebbiana.

Proc. Amer. Soc. Hort. Sci. (81So12)

Alderman, W. H. & Angelo, E.

Self and cross sterility in plum hybrids. Proc. Amer. Soc. Hort. Sci. 29(1932): 118-121. Je. 1933.

Aldrich, W. W. & Fletcher, L. A.

Relation of foliage system and fruit thinning to biennial bearing in apples. Proc. Amer. Soc. Hort. Sci. 29(1932): 56-61. Je.1933.

Angelo, E. & Alderman, W. H.

Fruit and leaf characters in inter-specific hybrids of Prunus. Proc. Amer. Soc. Hort. Sci. 29(1932): 115-117. Je.1933.

Auchter, E. C. & Schrader, A. L.

Possibilities of affecting biennial bearing in York Imperial apples in the Cumberland-Shenandoah Valley. Proc. Amer. Soc. Hort. Sci. 29(1932): 62-70. Je.1933.

Proc. Amer. Soc. Hort. Sci. (cont.)

Bailey, J. S. & French, A. P.
The inheritance of certain characters in the peach. Proc. Amer. Soc. Hort. Sci. 29 (1932): 127-130. Je. 1933.

Becker, C. L.
Stüdies of pollen germination in certain species and interspecific hybrids of Prunus. Proc. Amer. Soc. Hort. Sci. 29 (1932): 122-126. Je. 1933.

Binkley, A. M.
The amount of blossom and pod drop on six varieties of garden beans. Proc. Amer. Soc. Hort. Sci. 29 (1932): 489-492. Je. 1933.

Blake, M. A.
The J. H. Hale peach as a parent in peach corsses. Proc. Amer. Soc. Hort. Sci. 29 (1932): 131-136. Je. 1933.

Bregger, J. T.
Present status of mutation studies in deciduous fruit varieties. Proc. Amer. Soc. Hort. Sci. 29 (1932): 144-150. Je. 1933.

Brierley, W. G.
The relation of tree vigor to the rate of healing of pruning wounds in the apple. Proc. Amer. Soc. Hort. Sci. 29(1932): 90-92. Je. 1933.

Burrell, A. B. & Parker, R. G.
Field trials with lime-sulfur and Koppers flotation sulfur in apple scab control. Proc. Amer. Soc. Hort. Sci. 29(1932): 98-102. Je. 1933.

Cameron, S. H.
Starch in the young orange tree. Proc. Amer. Soc. Hort. Sci. 29(1932): 110-114. Je. 1933.

Chandler, W. H., Hoagland, D. R. & Hibbard, P. L.
Little-leaf or rosette of fruit trees. II. Effect of zinc and other treatments. Proc. Amer. Soc. Hort. Sci. 29(1932): 255-263. illus. Je. 1933.

Chandler, L. C. & Gourley, J. H.
The response of some ornamental plants to soil reaction. Proc. Amer. Soc. Hort. Sci. 29(1932): 530-533. Je. 1933.
Experiments with Iris germanica, Lupinus hartwegi, L. polyphyllus, Daphne cneorum, Delphinium ajacis.

Proc. Amer. Soc. Hort. Sci. (Cont.)

Cochran, H. L.
Factors affecting flowering and fruit setting in the pepper. Proc. Amer. Soc. Hort. Sci. 29(1932): 434-437. Je. 1933.

Cullinan, F. P. & Weinberger, J. H.
Studies on the influence of soil moisture on growth of fruit and stomatal behavior of Elberta peaches. Proc. Amer. Soc. Hort. Sci. 29(1932): 28-33. Je. 1933.

Currence, T. M.
Linkage relations of growth habit in tomato plants. Proc. Amer. Soc. Hort. Sci. 29(1932): 501-504. Je. 1933.

Currence, T. M.
Nodal sequence of flower type in the cucumber. Proc. Amer. Soc. Hort. Sci. 29(1932): 477-479. Je. 1933.

Darrow, G. M. & Waldo, G. F.
Effect of fertilizers on plant growth, yield and decay of strawberries in North Carolina. Proc. Amer. Soc. Hort. Sci. 29(1932): 318-324. Je. 1933.

Degman, E. S., Furr, J. R. & Magness, J. R.
Relation of soil moisture to fruit bud formation in apples. Proc. Amer. Soc. Hort. Sci. 29(1932): 199-201. Je. 1933.

Dorsey, M. J. & McMunn, R. L.
Seed size in relation to fruit size in the peach. Proc. Amer. Soc. Hort. Sci. 29(1932): 13-22. Je. 1933.
4th report on the Illinois thinning investigations.

Emsweller, S. L.
An hereditary pithiness in celery. Proc. Amer. Soc. Hort. Sci. 29(1932): 480-485. illus. Je. 1933.

Fellers, C. R., Isham, P. E. & Smith, G. G.
Vitamin C distribution in Baldwin and McIntosh apples. Proc. Amer. Soc. Hort. Sci. 29(1932): 93-97. Je. 1933.

Proc. Amer. Soc. Hort. Sci. (cont.)

Gerhardt, F. & Ezell, B. D.
Certain physiological responses of Comice pears during cold storage. Proc. Amer. Soc. Hort. Sci. 29(1932): 291-294. Je. 1933.

Griffiths, D.
Artificial propagation of the lily. Proc. Amer. Soc. Hort. Sci. 29(1932): 519-521. Je. 1933.

Griffiths, D.
Promising leads in lily breeding. Proc. Amer. Soc. Hort. Sci. 29(1932): 517-518. Je. 1933.

Haller, M. H., Harding, P. L. & Rose, D. H.
The interrelation of firmness, dry weight and respiration in strawberries. Proc. Amer. Soc. Hort. Sci. 29(1932): 330-334. illus. Je. 1933.

Halma, F. F.
Variability in citrus propagated by cuttings and by budding. Proc. Amer. Soc. Hort. Sci. 29(1932): 365-366. Je. 1933.

Harding, P. L. & Haller, M. H.
The influence of storage temperatures on the dessert and keeping quality of peaches. Proc. Amer. Soc. Hort. Sci. 29(1932): 277-281. illus. Je. 1933.

Harley, C. P., Masure, M. P. & Magness, J. R.
Effects of leaf area, nitrate of soda and soil moisture on fruit bud formation in the Delicious apple. Proc. Amer. Soc. Hort. Sci. 29(1932): 193-198. Je. 1933.

Hartman, J. D.
Effect of storage temperature on histological and microchemical changes and on propagation value of potato tubers. Proc. Amer. Soc. Hort. Sci. 29(1932): 409-412. Je. 1933.

Haut, I. C.
Catalase activity in relation to the after-ripening of fruit tree seeds. Proc. Amer. Soc. Hort. Sci. 29(1932): 375-379. Je. 1933.

Haut, I. C.
The influence of drying on the after-ripening and germination of fruit tree seeds. Proc. Amer. Soc. Hort. Sci. 29(1932): 371-374. Je. 1933.

Proc. Amer. Soc. Hort. Sci. (cont.)

Heinicke, A. J.

The assimilation of carbon dioxide by apple leaves as affected by ringing the stem. Proc. Amer. Soc. Hort. Sci. 29(1932): 225-229. Je. 1933.

Hoagland, D. R. & Chandler, W. H.

Some effects of deficiencies of phosphate and potassium on the growth and composition of fruit trees, under controlled conditions. Proc. Amer. Soc. Hort. Sci. 29(1932): 267-271. illus. Je. 1933.

Hoffman, M. B.

The effect of certain spray materials on the carbon dioxide assimilation by McIntosh apple leaves. Proc. Amer. Soc. Hort. Sci. 29(1932): 389-393. Je. 1933.

Horsfall, F.

Winter injury to the crotch and trunk of the apple tree. Proc. Amer. Soc. Hort. Sci. 29(1932): 83-89. illus. Je. 1933.

Jones, H. A.

Vegetable breeding at the University of California. Proc. Amer. Soc. Hort. Sci. 29(1932): 572-581. Je. 1933.

Jones, I. D.

Further observations on influence of leaf area on fruit growth and quality in the peach. Proc. Amer. Soc. Hort. Sci. 29(1932): 34-38. Je. 1933.

Jones, I. D.

Ultropaque microscope equipment as an aid in stomatal studies. Proc. Amer. Soc. Hort. Sci. 29(1932): 78-79. Je. 1933.

Kelley, V. W.

The effect of pruning of excised shoots on the transpiration rate of some deciduous fruit species. Proc. Amer. Soc. Hort. Sci. 29(1932): 71-73. Je. 1933.

Kinman, C. F.

A preliminary report on root growth studies with some orchard trees. Proc. Amer. Soc. Hort. Sci. 29(1932): 220-224. Je. 1933.

Proc. Amer. Soc. Hort. Sci. (cont.)

Lantz, H. L.

Apple breeding: a study on seedling fruits produced by Longfield. Proc. Amer. Soc. Hort. Sci. 29(1932): 139-143. Je. 1933.

Laurie, A.

Studies of the growth of annuals and pompon chrysanthemums under cloth enclosures. Proc. Amer. Soc. Hort. Sci. 29(1932); 550-554. Je. 1933.

Lilleland, O.

Experiments with K and P deficiencies with fruit trees in the field. Proc. Amer. Soc. Hort. Sci. 29(1932): 272-276. illus. Je. 1933.

Potash deficiency in relation to prune scorch; experiments with phosphorus with peach.

Lilleland, O.

Growth study of the peach fruit. Proc. Amer. Soc. Hort. Sci. 29(1932): 8-12. Je. 1933.

Long, J. C.

The influence of rooting media on the character of roots produced by cuttings. Proc. Amer. Soc. Hort. Sci. 29(1932): 352-355. illus. Je. 1933.

Loomis, W. E.

Growth-differentiation balance vs. carbohydrate-nitrogen ratio. Proc. Amer. Soc. Hort. Sci. 29(1932): 240-245. Je. 1933.

Lott, R. V.

The growth rate and chemical composition of the Hiley peach from stone formation to flesh maturity. Proc. Amer. Soc. Hort. Sci. 29(1932): 1-7. Je. 1933.

Lott, R. V. & Le Mert, H. W.

A simple device for use in leaf area studies. Proc. Amer. Soc. Hort. Sci. 29(1932): 83-84. Je. 1933.

Lumsden, D. V.

Flower development in narcissus during summer storage. Proc. Amer. Soc. Hort. Sci. 29(1932): 522-525. illus. Je. 1933.

McCall, T. M.

Depth of planting experiments for the control of Rhizoctonia on potatoes. Proc. Amer. Soc. Hort. Sic. 29(1932): 413-414. Je. 1933.

Proc. Amer. Soc. Hort. Sci. (cont.)

McClintock, J. A.
The source of apple seedlings in relation to blotch infection. Proc. Amer. Soc. Hort. Sci. 29(1932): 359-360. Je. 1933.

MacDaniels, L. H. & Burrell, A. B.
The value of the pollen of some of the recently introduced apple varieties. Proc. Amer. Soc. Hort. Sci. 29(1932): 151-155. Je. 1933.

McGinty, R. A. & Barnes, W. C.
Observations on flower bud and pod development in okra. Proc. Amer. Soc. Hort. Sci. 29(1932): 509-513. illus. Je. 1933.

Magness, J. R., Regeimbal, L. O. & Degman, E. S.
Accumulation of carbohydrates in apple foliage, bark, and wood as influenced by moisture supply. Proc. Amer. Soc. Hort. Sci. 29(1932): 246-252. Je. 1933.

Marshall, R. E.
Transpiration rates and suction forces of fruiting canes and current season shoots of the black raspberry. Proc. Amer. Soc. Hort. Sci. 29(1932): 295-299. illus. Je.1933.

Murneek, A.
Relation of leaf area to fruit size and food reserves in apple seeds and branches. Proc. Amer. Soc. Hort. Sci. 29(1932): 230-234. Je. 1933.

Oskamp, J.
The rooting habit of deciduous fruits on different soils. Proc. Amer. Soc. Hort.Sci. 29(1932): 213-219. illus. Je. 1933.

Pearson, H. M.
Parthenocarpy and seed abortion in Vitis vinifera. Proc. Amer. Soc. Hort. Sci. 29(1932):169-175. illus. Je. 1933.

Pearson, O. H.
Incompatibility in broccoli and the production of seed under cages. Proc. Amer. Soc. Hort. Sci. 29(1932): 468-471. Je. 1933.

Proc. Amer. Soc. Hort. Sci. (cont.)

Pentzer, W. T., Asbury, C. E. & Hamner, K. C.
Effect of fumigation of different varieties of vinifera grapes with sulphur dioxide gas. Proc. Amer. Soc. Hort. Sci. 29(1932): 339-344. Je. 1933.

Poesch, G. H.
Further studies of photoperiodism of the chrysanthemum. Proc. Amer. Soc. Hort. Sci. 29(1932): 540-543. Je. 1933.

Poole, R. F.
Arsenical injury of the peach and some results of studies on its control. Proc. Amer. Soc. Hort. Sci. 29(1932): 42-44. Je. 1933.

Ratsek, J. C.
Effects of day length on growth of orchid seedlings. Proc. Amer. Soc. Hort. Sci. 29(1932): 555-557. Je. 1933.
Short summary of report which is on file in Cornell university library.

Ratsek, J. C.
Preliminary experiments on nutrients and the pH of water and nutrients as they affect growth of orchid seedlings. Proc. Amer. Soc. Hort. Sci. 29(1932): 558-561. Je. 1933.

Schilletter, J. C.
Time of bud differentiation in the Dunlap strawberry. Proc. Amer. Soc. Hort. Sci. 29(1932): 325-329. Je.1933.

Schrader, A. L. & Beaumont, J. H.
Measuring apple color with a disc colorimeter. Proc. Amer. Soc. Hort. Sci. 29(1932): 50. Je. 1933.

Sitton, B. G.
Some observations on stomatal movements in Hicoria pecan. Proc. Amer. Soc. Hort. Sci. 29(1932): 80-82. Je. 1933.

Smith, O.
Relation of soil reaction to tuberization, rate of growth, development and partial composition of the potato. Proc. Amer. Soc. Hort. Sci. 29(1932): 398-402. Je. 1933.

Proc. Amer. Soc. Hort. Sci. (cont.)

Stark, A. L.
An apparatus and method for determining bound water in plant tissue. Proc. Amer. Soc. Hort. Sci. 29(1932): 384-388. illus. Je. 1933.

Steinbauer, C. E.
Effects of temperature and humidity upon length of rest period of tubers of Jerusalem artichoke (Helianthus tuberosus). Proc. Amer. Soc. Hort. Sci. 29(1932): 403-408. Je.1933.

Swingle, C. F.
The exosmosis method of determining injury, as applied to apple rootstock hardiness studies. Proc. Amer. Soc. Hort. Sci. 29(1932): 380-383. Je. 1933.

Taylor, R. W.
Influence of nitrogenous fertilizers applied at different dates on the numbers of flower clusters, flowers and fruits of the strawberry. Proc. Amer. Soc. Hort. Sci. 29(1932): 313-317. Je.1933.

Weinberger, J. H. & Cullinan, F. P.
Further studies on the relation between leaf area and size of fruit, chemical composition and fruit bud formation in Elberta peaches. Proc. Amer. Soc. Hort. Sci. 29(1932): 23-27. Je. 1933.

Wellington, R.
Results obtained from crosses between Danugue (Gros Guillaume) and Ontario and Hubbard grape varieties. Proc. Amer. Soc. Hort. Sci. 29(1932): 137-138. Je. 1933.

Winkler, A. J.
The lateral movement of elaborated foods in the grape vine. Proc. Amer. Soc. Hort. Sci. 29(1932): 335-338. Je. 1933.

Wood, M. N.
Artificial pollination as a means of increasing production in commercial Persian walnut orchards. Proc. Amer. Soc. Hort. Sci. 29(1932): 164-168. Je. 1933.

Wood, M. N.
Dichogamy, an important factor affecting production in the Persian walnut. Proc. Amer. Soc. Hort. Sci. 29(1932): 160-163. Je. 1933.

Proc. Amer. Soc. Hort. Sci. (cont.)
Wright, R. C., Lauritzen, J. I. & Whiteman, T.M.
The effects of storage temperature and humidity on the keeping quality of onions. Proc. Amer. Soc. Hort. Sci. 29(1932): 463-465. Je. 1933.

Publ. Fac. Sci. Univ. Masaryk. (Brno) (510B832)
Sirjaev, G.
Generis Trigonella L. revisio critica. VI. Publ. Fac. Sci. Univ. Masaryk 170. 37 p. 1933.

Rep. Food Invest. Bd. Gt. Brit. (389.9G792R)
Brian, P. W.
Experimental study of moulds responsible for the wastage of apples. Rep. Food Invest. Bd. Gt. Brit. 1932: 66-68. 1933.

Haynes, D.
Chemical work on fruit. Rep. Food Invest. Bd. Gt. Brit. 1932: 273-279. 1933.

Horne, A. S.
Biological work on fruit. Rep. Food Invest. Bd. Gt. Brit. 1932: 279-300. 3 pl. 1933.

Huelin, F. E.
Effects of ethylene and of apple vapours on the sprouting of potatoes. Rep. Food Invest. Bd. Gt. Brit. 1932: 51-53. 1933.

Huelin, F. E.
Effect of ethylene on the respiration and sugar content of potatoes. Rep. Food Invest. Bd. Gt. Brit. 1932: 53-54. 1933.

Hulme, A. C.
Changes in the nitrogen of Bramley's seedling apples during cold-storage. Rep. Food Invest. Bd. Gt. Brit. 1932: 75-79. 1933.

Kidd, F. & West, C.
Effects of ethylene and of apple vapours on the ripening of fruits. Rep. Food Invest. Bd. Gt. Brit. 1932: 55-58. 1933.

Onslow, M., Kidd, F. & West, C.
Biochemical study of senescence in apples. Rep. Food Invest. Bd. Gt. Brit. 1932: 70-75. 1933.

Res. Bull. Agr. Exp. Stat. So. Manchuria Railw. Co. (J107So8R)
Otuka, Y.
The characteristics of Manchurian apples. I-II. Res. Bull. Agr. Exp. Stat. So. Manchuria Railw. Co. 10. 12 p. ix pl. Ap. 1933.
I. Studies on the form of the fruits. II. Studies on the physico-chemical characters of the fruits.
Japanese.

Ricerca Scient. Progr. Tecn. Econ. Naz. (Roma) (475Itl)
Cartení, A. & Rossi, A.
Analsi di alcuni alimenti vegetali. Ricerca Scient. Progr. Tecn. Econ. Naz. 2: 405-415. D. 1932. no.11/12.

Rhodora (Boston) (450R34)
Anderson, W. A.
A new species of Glyceria from the Great Smoky mountains. Rhodora 35: 320-322. illus. S. 1933. no.417.
G. nubigena.

Fernald, M. L.
Recent discoveries in the Newfoundland flora. (cont.) Rhodora 35: 298-315. illus.,pl. 261-262. S. 1933. no.417.

Fernald, M. L.
Some forms of grasses. Rhodora 35: 316-319. S.1933. no.417.
Bromus, Agrostis and Aristida.

Norton, A. H.
A third station for Waldsteinia fragarioides in Maine. Rhodora 35: 322. S.1933. no.417.
Monmouth, Maine.

Schuh, R. E.
Dumontia in Maine. Rhodora 35: 315-316. S. 1933. no.417.
D. filiformis at Hale's Beach, North Brooklin, Maine.

Shimek, B.
Quercus macrocarpa, var. depressus (Nutt.) Englm. Rhodora 35: 295-297. S.1933. no.417.

Science (47^{0}Sci2)
MacGinitie, H. D.
Redwoods and frost. Science 78: 190. S.1, 1933. no.2018.

Science News Letter (470Sci24)
Fern prints left in lava that killed them. Science News Letter 24: 156. S.2, 1933. no.647.

Hydrocyanic acid generated by mushrooms. Science News Letter 24: 152. S.2, 1933. no.647
Found in Marasmius and Clitocybe, discovery of M. Mirande.

The Shade Tree N.J. (99.8Sh1)
May, C.
The Dutch elm disease. The Shade Tree N.J. v.6, no.8. [2] p. Ag.1933.
Letter from Dr. May to Mr. P.E. Alden, Sec. N.J. Shade Tree Federation, concerning the latest developments dealing with the disease.

Sinensia Contr. Metrop. Mus.Nat. Hist. Nanking (410.9Si62)
Hu, H. H.
Plantae tsiangianae. (cont.) Sinensia Contr. Metrop. Mus.Nat. Hist. Nanking 3: 84-90. S.1932. no.3.
Elaeocarpaceae; Betulaceae.

Keng, Y. L.
A new species of Microstegium from Kwangsi, China. Sinensia Contr. Metrop. Mus. Nat. Hist. Nanking 3: 91-92. S.1932. no.3.
Microstegium biforme.

Kükenthal, G.
Cyperaceae sinenses in Provincia Kweichow A.Cl.Y. Tsiang collectae. Sinensia Contr. Metrop. Mus. Nat. Hist. Nanking 3: 79-83. S.1933. no.3.

Walker, E. H.
Concerning Chinese botanical serials. Sinensia Contr. Metrop. Mus. Nat. Hist. Nanking 3: 63-77. Ag.1932. no.2.
Includes list of Chinese serial publications, of interest to botanists.

Svensk Bot. Tidskr. (450Sv2)
Åslander, A.
The neutralizing action of plants on acid nutrient solutions. Svensk Bot. Tidskr. 27: 257-272. illus. 1933. no.2.
Experiments with barley.

Svensk Bot. Tidskr. (cont.)

Bliding, C.
Ueber sexualität und entwicklung bei der gattung Enteromorpha. Svensk Bot. Tidskr. 27: 233-256. illus. 1933. no.2.

Eliasson, A. G.
Svampar från Gotland och Öland. Svensk Bot. Tidskr. 27: 141-160. 1933. no.2.

Faegri, K.
Praktische richtlinien bei dem etikettieren von botanischen sammlungen aus Norwegen. Svensk Bot. Tidskr. 27: 202-210. 1933. no.2.

Heilborn, O.
Ueber eutelie oder zellkonstanz in pflanzlichen geweben. (Methoden und probleme) Svensk Bot. Tidskr. 27: 161-201. illus. 1933. no.2.

Lagerkranz, J.
Floristiska anteckningar från en exkursion på Island sommaren 1928. Svensk Bot. Tidskr. 27: 273-277. 1933. no.2.

Levan, A.
Cytological studies in Allium. IV. Allium fistulosum. Svensk. Bot. Tidskr. 27: 211-232. illus. 1933. no.2.

La Terre Maroc. (Rabat) (24T44)

Miège, E.
Les plantes fourragères du Maroc. La Terre Maroc 3(35): 2-7, 3(36): 4-10, 3(37): 3-29, 3(38): 3-12. illus. Jl.1,15, Ag.1,15, 1933.

Tijdschr. Plantenz. (464.8T44)

Botjes, J. O.
Aethylene als vermoedelikje oorzaak van de groeiremmende werking von rijpe appels. Tijdschr. Plantenz. 39: 207-211. pl. xxi. Ag.1933. no.8.
Brief English summary: p.211.

Brandenburg, E.
Onderzoekingen over ontgenningsziekte. II. Tijdschr. Plantenz. 39: 189-192. pl.xvi. Ag. 1933. no.8.

Spierenburg, D.
Een ziekten in het zeegras (Zostera marina L.) Tijdschr. Plantenz. 39: 193-199. pl. xvii. Ag. 1933. no.8.

Tijdschr. Plantenz. (cont.)

Stieltjes, D.

Dilophospora-ziekte von granen en grassen. Tijdschr. Plantenz. 39: 200-206. pl. xviii-xx. Ag.1933. no.8.

D. graminis.

Trans. Brit. Mycol. Soc. (London) (451B76)

Barnes, B.

Helotium ciliatosporum Boudier. Trans. Brit. Mycol. Soc. 18: 76-87. illus. Ag.16, 1933. no.1.

Identical with Belonioscypha ciliatospora Rehm, but not a young stage of Helotium scutula Karst.

Lister, G.

Field notes on Mycetozoa. Trans. Brit. Mycol. Soc. 18: 18-29. Ag.16, 1933. no.1.

Petch, T.

Notes on entomogenous fungi. Trans. Brit. Mycol. Soc. 18: 48-75. Ag.16, 1933. no.1.

Sampson, K.

The systemic infection of grasses by Epichloe typhina (Pers.) Tul. Trans. Brit. Mycol. Soc. 18: 30-47. pl. i-iii. Ag.16, 1933. no.1.

Smith, G.

Some new species of Penicillium. Trans. Brit. Mycol. Soc. 18: 88-91. pl.iv-v. Ag.16, 1933. no.1.

P. pallidum, varians, raistrickii, charlesii.

Tropenpfl. (Berlin) (26T75)

Kaden, O. F.

Untersuchungsergebnisse über nichtparasitäre kakaokrankheiten in San Tomé und Principe. Tropenpfl. 36: 321-340. Ag. 1933. no.8.

I. Die kakaostarre (mote subita) II. Die gelbfrüchtigkeit oder mela. III. Frühreife und steinfrüchtigkeit. IV. Der zwergwuchs und die kakaowelke.

Trop. Agriculture West Indies. (Trinidad) (26T754)

Wardlaw, C. W. & McGuire, L. P.

Cultivation and diseases of the banana in Brazil. II. Diseases. Trop. Agriculture West Indies 10: 255-259. S. 1933. no.9.

Trudy Lab. Gen. Akad. Nauk SSSR (Bull. Lab. Gen. Acad.
Sci. USSR) (Leningrad) (442.9P44)

Baur, E.

Die auslösung von faktormutationen durch chemische und physikalische reize bei Antirrhinum. Trudy Lab. Gen. Akad. Nauk SSSR (Bull. Lab. Gen. Acad. Sci. USSR) 9:163-171. 1932.

Delaunay, L. N.

Rentgeno-mutatsii u pshenitsy (The x-mutations in wheat). Trudy Lab. Gen. Akad. Nauk SSSR (Bull. Lab. Gen. Acad. Sci. USSR) 9: 173-180. illus. 1932.

Russian with English summary.

Fedorova, N. Ia.

O gibridakh mezhdu zemlianikoĭ (Fragaria vesca L.) i klubnikoĭ (F.elatior Ehr.) (Hybridization of Fragaria vesca L. with Fragaria elatior Ehr.) Trudy Lab. Gen. Akad. Nauk SSSR (Bull. Lab. Gen. Acad. Sci. USSR) 9: 109-114. illus. 1932.

Russian with English summary.

Filipchenko, A. A.

I͡uriĭ Aleksandrovich Filipchenko. Biograficheskiĭ ocherk. Trudy Lab. Gen. Akad. Nauk SSSR (Bull. Lab. Gen. Acad. Sci. USSR) 9: 1-11. port. 1932.

Russian.

Publications of I.A. Filipchenko: p.7-11.

Gates, R. R.

A genetic study of size inheritance. Trudy Lab. Gen. Akad. Nauk SSSR (Bull. Lab. Gen. Acad. Sci. USSR) 9: 13-28. 1932.

Karpechenko, G. D. & Ivanova, K. V.

Stseplenie genov I i G u i͡achmeni͡a (Linkage of genes I and G in barley) Trudy Lab. Gen. Akad. Nauk SSSR (Bull. Lab. Gen. Acad. Sci. USSR) 9: 97-108. illus. 1932.

Russian with English summary.

Lepin, T. K.

Nasledovania kolichestvennykh priznakov u tverdykh pshenits (Inheritance of quantitative characters in Durum wheats) III. The manifold effect of the principal gene of the glume length of Tr. polonicum) Trudy Lab. Gen. Akad. Nauk SSSR (Bull. Lab. Gen. Acad. Sci. USSR) 9: 29-46. illus. 1932.

Russian with English summary.

Trudy Lab. Gen. Akad. Nauk SSSR (Bull. Lab. Gen. Acad. Sci. USSR) (cont.)

Levitsky, G. A., Mel'nikov, A. N. & Titova, N.N.
Tsitologiia potomstva 16-khromozomnoĭ rzhi (The cytology of the offspring of the 16-chromosome rye) Trudy Lab. Gen. Akad. Nauk SSSR (Bull. Lab. Gen. Acad. Sci. USSR) 9: 89-96. illus. 1932.
Russian with English summary.

Sapegin, L. A.
Geny okraski lista u tverdykh pshenits (Gene der blattfarbe bei emmer-weizen) I. Trudy Lab. Gen. Akad. Nauk SSSR (Bull. Lab. Gen. Acad. Sci. USSR) 9: 47-68. 1932.
Russian with German summary.

Vasil'ev, B. I.
Pshenichno-rzhanye gibridy (Wheat-rye hybrids) I. An analysis of the first generation of various wheat-rye hybrid combinations. Trudy Lab. Gen. Akad. Nauk SSSR (Bull. Lab. Gen.Acad. Sci. USSR) 9: 69-87. 1932.
Russian with English summary.

Winge, O.
Experiments with Papaver rhoeas L., f. strigosum Boenn. Trudy Lab. Gen. Akad. Nauk SSSR (Bull. Lab. Gen. USSR) 9: 115-120. illus. 1932.

Valt. Maatalouskoet. Julkais. (Helsingfors) (20F495)

Laurila, V.
Maamme yleisimät perunajalosteet ohjeita niiden tuntemiseen sekä laatujen tärkeimmät ominaisuudet. Valt. Maatalouskoet. Julkais. no.54. 28 p. illus. 1933.

Versl. en Meded. Plantenziektenk. Dienst. Wageningen (464.9W122)

Wageningen. Plantenziektenkundige dienst.
Verslag... in het jaar 1932. Its Versl. en Meded. no.72. 144 p. viii pl. Ag.1933.

Zeitschr. Bot. (Jena) (450Z32)

Bosian, G.
Assimilations- und transpirationsbestimmungen an pflanzen des Zentralkaiserstuhls. Zeitschr. Bot. 26: 209-284. illus., pl. 1933. no.5/6.
For Appendix see Friedmann, Christian.

Zeitschr. Bot. (cont.)

Friedmann, C.

Die konduktometrische titration bei der assimilationsbestimmung. Zeitschr. Bot. 26: 285-290. illus. 1933. no.5/6.

"Anhang" to Bosian, G. Assimilations- und transpirationsbestimmungen...

Zeitschr. Pflanzenernähr. Düng. u. Bodenk. A, Wiss. Teil. (Leipzig) (384Z343A)

Wagner, H.

Beiträge zum wachstumsverlauf der kartoffelpflanze. Zeitschr. Pflanzenernähr. Düng. u. Bodenk. A, Wiss. Teil. 30: 232-249. 1932. no.4/6.

Wagner, H.

Ueber wachstumsvorgänge des hafers bei wassermangel und des winterweizens bei frühjahrseinsaat. Zeitschr. Pflanzenernähr. Düng. u. Bodenk. A, Wiss. Teil. 30: 208-232. 1932. no.4/6.

Wagner, H.

Zum wachstumverlauf verscheidener getreidearten, insbesondere von hafer. Zeitschr. Pflanzenernähr. Düng. u. Bodenk. A, Wiss. Teil. 25: 48-102. 1932. no.1/2.

Zeitschr. Pilzk. (Leipzig) (450Z352)

Huber, H.

Standorte seltener pilze in der umgebung Wiener-Neustadt's (Niederösterreich und Burgenland). Beitrag zur pilzgeographie. IX. Zeitschr. Pilzk. 17(n.s.12): 69-71. Jl. 1933. no.3.

Hullen, E.

Beiträge zur missbildung der hutpilze. Zeitschr. Pilzk. 17(n.s.12): 71. pl.10. Jl. 1933. no.3.

Kallenbach, F.

Zur beurteilung der schäden des waldhausschwamms (Merulius silvester Falck) in häusern. (cont.) Zeitschr. Pilzk. 17(n.s.12): 72-76. Jl. 1933. no.3.

Kärber, G.

Lorchel (Helvella esculenta)-vergiftung. (cont.). Zeitschr. Pilzk. 12: 77-79. Jl. 1933. no.3.

Schäffer, J.

Bestimmungstabelle für die europäischen täublinge. (concl.) Zeitschr. Pilzk. 12:

Exp. Stat. Publ.

Streets, R. B.
Heart rot of the date palm. Caused by Theilaviopsis paradoxa (DeSeynes) von Höhn. Arizona Agr. Exp. Stat. Techn. Bull. 48: 443-469. illus., x pl. My.15, 1933 (100Ar4)

Kapp, L. C.
Study of rice fertilization. Arkansas Agr. Exp. Stat. Bull. 291. 37 p. Je.1933. (Rec'd Ag.) (100Ar42)

Pirone, P. P., Newhall, A. G., Stuart, W. W., Horsfall, A. L. & Harrison, A. L.
Copper seed treatments for the control of damping-off of spinach. Cornell Agr. Exp. Stat. Bull. 566. 25 p. illus. Je.1933. (Rec'd Ag.) (100N48C)

Thomas, H. E. & Parker, K. G.
Fire blight of pear and apple. Cornell Agr. Exp. Stat. Bull. 557. 24 p. illus. Ap.1933. (100N48C)

Thomas, H. E. & MacDaniels, L. H.
Freezing injury to the roots and crowns of apple trees. Cornell Agr. Exp. Stat. Bull. 556. 23 p. illus. Ap.1933 (Rec'd Ag.) (100N48C)

Stahl, A. L.
Changes in composition of Florida avocados in relation to maturity. Florida Agr. Exp. Stat. Bull. 259. 61 p. My.1933 (100F66S)

Bakke, A. L. & Noecker, N. L.
The relation of moisture to respiration and heating in stored oats. Iowa Agr. Exp. Stat. Res. Bull. 165: 320-336. illus. Je.1933 (100Io9)

Heuberger, J. W. & Norton, J. B. S.
The mosaic disease of tomatoes. Maryland Agr. Exp. Stat. Bull. 345: 447-466. illus. Mr.1933. (100M36S)

Norton, J. B. S.
Fusarium wilt of tomatoes. Maryland Agr. Exp. Stat. Bull. 345: 487-489. Mr. 1933. (100M36S)

Norton, J. B. S. & Hunter, H. A.
Tomato diseases and their control. Maryland Agr. Exp. Stat. Bull. 345: 490-494. Mr. 1933. (100M36S)

Exp. Stat. Publ. (cont.)

New Jersey.agricultural experiment station - Dept. of plant pathology.
Boxwood canker. Its Nursery Dis. Notes. v.6, no.2. 8 p. Ag.1933 (464.9N46)
Nectria rouselliana Tul. (Volutella buxi)

Williams, C. F. & Poole, R. F.
The relation of types of pruning to the control of Coniothyrium cane blight. North Carolina Agr. Exp. Stat. Bull. 291. 14 p. illus. Je. 1933(100N81)

State Publications.

Hutchins, L. M.
Identification and control of the phony disease of the peach. Bull. State Entom. Georgia 78. 55 p. illus., iii pl. (col.) Jl.1933 (423G29)

Chambers, E. L. & Thompson, N. F.
Pests and diseases of trees and shrubs. Wisconsin Dept. Agr. & Markets Bull. 145. 83p. illus. My.1933 (2W752Bu)

New Books.

Bunschoten, G. E.
Invloed van de voeding op de virulentie van schimmels. Baarn, N. V. Hollandia-drukkerij, 1933. (464.1B88)
Proefschr - Utrecht.
Sclerotinia sclerotiorum, Rhizoctonia solani.

Jager, H. de.
Ziekteverschijnselen van enkele cultuurgewassen als gevolg von de inwerking von keukenzout. Baarn, N.V. Hollandia-drukkerij, 1933. (463.34J18)
Proefschr. - Utrecht.
English summary: p.82-84.

Koroleva, V. A.
Poviliki SSSR mery bor'by s nimi [Dodder in URSS and its control] Leningrad,1933. (79K842)
Russian.

Krenke, N. P.
Wundkompensation, transplantation und chimären bei pflanzen. Uebersetzt von Dr. N. Busch... redigiert von Dr. O. Moritz. Berlin, J. Springer 1933 (Monographie aus dem gesamtgebiet der physiologie der pflanzen und der tiere. 29. bd.) (463.36K88W)

New books. (cont.)

Liverpool. Public museums.
Handbook and guide to the gallery of economic botany in the Public museums, Liverpool. Liverpool, 1933. (452.8L75)

Das pflanzenreich ... h.98f Sapindaceae VI von L. Radlkofer. Leipzig, W. Engelmann, 1933. (J1.21) (452En3P)

Warming, E.
Lehrbuch der ökologischen pflanzengeographie. 4. aufl. nach Warmings tode bearb. von P. Graebner. Berlin, Borntraeger, 1933. (463.8W23L)

Werdermann, E.
Brasilien und seine säulenkakteen. Neudamm, J. Neumann, 1933. (457.2W49)

BOTANY
CURRENT LITERATURE

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D.

LIBRARY
RECEIVED
★ OCT [illegible] ★
U. S. [illegible] of Agriculture

Vol. 15, no. 19. Sept.11-23, 1933.

Abhandl. Naturf. Ges. Görlitz (509G67)
Frenzel, H.
Pollenanalytische untersuchungen im Neudorfer moor bei Wittichenau. Abhandl. Naturf. Ges. Görlitz 32: 5-19. illus. 1933. no.1.

Administr. Rep. Dir. Agr. Trinidad & Tobago (8T732)
Montserin, B. G.
Investigations on witchbroom disease of cacao. Administr. Rep. Dir. Agr. Trinidad & Tobago 1932: 49-51. 1933.

Stell, F.
Mycologist's report, 1932. Administr. Rep. Dir. Agr. Trinidad & Tobago 1932: 47-49. 1933.

Agric. Colon. (Firenze) (26Ag82)
Romagnoli, M.
Coltivazione del banano nella Somalia Italiana. Agric. Colon. (Firenze) 27: 361-373. illus. Ag. 1933. no. 8.

Amer. Nat. (470Am36)
Cleland, R. E.
Predictions as to chromosome configuration, as evidence for segmental interchange in Oenothera. Amer. Nat. 67: 407-418. S./O. 1933. no.712.

Mather, K.
Interlocking as a demonstration of the occurrence of genetical crossing-over during chiasma formation. Amer. Nat. 67: 476-479. illus. S./O. 1933. no.712.
Experiments with Lilium regale.

Ames Forester (Ames, Iowa) (99.9Io94)
Kouba, T. F.
White pine blister rust. Ames Forester 21: 33-38. illus. 1933.

Anais Inst. Sup. Agron.Lisboa (105.7L682)

Bobone, A. de L. A.

Contribuição para o estudo taxonómica da espécie Ficus carica, L. Anais Inst. Sup. Agron. Lisboa 5(2): 124-242. illus. 1932.

Navarro, A. F.

Da diagnose das ampelídeas híbridas do género Vitis. Anais Inst. Sup. Agron. Lisboa 5(2): 26-123. illus. 1932.

Ann. Bryol. (450An73)

Andrews, A. L.

What is Sphagnum americanum? Ann. Bryol. 6: 1-6. 1933.

Bryophyta nova (6-16) Ann. Bryol. 6: 124-135. illus. 1933.

Descriptions by various authors.

Buch, H.

Experimentelle-systematische untersuchungen über die Lophozia ventricosa-gruppe. Ann. Bryol. 6: 7-14. illus. 1933.

Carl, H.

Ueber die blattbürtigen brutsprösschen bei Plagiochila. Ann. Bryol. 6: 15-19. illus. 1933.

Dixon, H. N.

Mosses collected on Mt. Cameroon by Miss M. Steele. Ann. Bryol. 6: 20-30. 1933.

Dixon, H. N.

New species of Clastobryeae from Indo-Malaya. Ann. Bryol. 6: 31-37. 1933.

Douin, C.

L'involucre de l'Anthoceros. Ann. Bryol. 6: 38-45. illus. 1933.

Herzog, T.

Beiträge zur kenntnis von Neurolejeunea. Ann. Bryol. 6: 46-58. illus. 1933.

Ann. Bryol. (cont.)

Horikawa, Y.
Two new species of Schistochila from Formosa.
Ann. Bryol. 6: 59-61. illus. 1933.
S. formosana, S. rigidula.

Knapp, E.
Hepatikologische studien. II. Was ist Macvicaria fossombronioides Nichols? Ann. Bryol. 6: 62-73. 1933.

Malmborg, S.v.
Cryptothallus nov.gen.ein saprophytisches lebermoos. Ann. Bryol. 6: 122-123. 1933.
C. mirabilis.

Verdoorn, Fr.
Epiphytische bryophyten im anthophyten-herbar.
Ann. Bryol. 6: 92-94. illus. 1933.

Verdoorn, F.
Hepaticae selectae et criticae, series V et VI. (1933). Ann. Bryol. 6: 95-104. illus. 1933.

Verdoorn, F.
Revision der von Java und Sumatra angeführten Lejeuneaceae holostipae. Ann. Bryol. 6: 74-87. illus. 1933.
De Frullaniaceis XII.

Verdoorn, F.
Ueber zwei neue gattungen der lebermoose.
Ann. Bryol. 6: 88-91. illus. 1933.
De Frullaniaceis XIII. Schiffneriolejeunea (gen. nov.) S. omphalanthoides, Tricholejeunea.

Zwickel, W.
Zwei neue gattungen, einige neue arten und umstellungen bei den lejeuneaceen. Ann.Bryol. 6: 105-121. illus. 1933.
Taeniolejeunea, Cladolejeunea, new genera.

Ann. Mus. Colon. Marseille (410.9M35)

Motte, J.
Les Aleurites de la section Dryandra, à huiles se bois. Ann. Mus. Colon. Marseille v.41 (V,1), f.2. 35 p. 1933.

Ann. Rep. Dept. Agr. Brit. Columbia. (7B77R)
Eastham, J. W.
Report of the provincial plant pathologist 1932. Ann. Rep. Dept. Agr. Brit. Columbia 27(1932): 29-34. 1933.

Ann. Rep. Dept. Agr. Tanganyika Terr. (24T15)
Wallace, G. B.
Report of the mycologist. Ann. Rep. Dept. Agr. Tanganyika Terr. 1932: 76-80. 1933.

Ann. Rep. Exp. & Res. Stat. Nursery & Mark, Gard. Industr. Devel. Soc. Cheshunt (103N93)
Ainsworth, G. C.
Virus disease investigations. Ann. Rep. Exp. & Res. Stat. Nursery & Mark. Gard. Industr. Devel. Soc. Cheshunt 18(1932): 39-45. 1933.
Spotted wilt, mosaic and stripe of tomato.

Bolas, B. D. & Melville, R.
Physiological investigations of the tomato plant. Ann. Rep. Exp. & Res. Stat. Nursery & Mark. Gard. Industr. Devel. Soc. Cheshunt 18 (1932): 64-67. 1933.

Orchard, O. B.
The control of cucumber mildew. Ann. Rep. Exp. & Res. Stat. Nursery & Mark. Gard. Industr. Devel. Soc. Cheshunt 18(1932): 48. 1933.

Read, W. H.
Physiological investigations of mosaic diseases of the tomato. Ann. Rep. Exp. & Res. Stat. Nursery & Mark. Gard. Industr. Devel. Soc. Cheshunt 18(1932): 45-48. 1933.

Williams, P. H.
Leafy gall of the chrysanthemum. Ann. Rep. Exp. & Res. Stat. Nursery & Mark. Gard. Industr. Devel. Soc. Cheshunt 18(1932): 32-39. 1933.
Bacterium isolated from galls closely resembles Bacterium tumefaciens.

Arb. Biol. Reichsanst. Land- u. Forstw. Berlin (410.9G31)
Stapp, C.
Die gelbfäule (gelbkrankheit) der hyazinthen. Arb. Biol. Reichsanst. Land- u. Forstw. Berlin 20:309-324. illus. 1933. no.3.

Arbejd. Danske Arkt. Stat. Disko (502D23)

Porsild, M. P.

Alien plants and apophytes of Greenland. Arbejd. Danske Arkt. State. Disko 14. 85 p. 2 fold.pl. 1932.

Arch. Mikrobiol. (Berlin) (442.8Ar26)

Janke, A. & Beran, F.

Ueber die mikrobicide wirkung von organischen säuren und ihren kupfersalzen. Arch. Mikrobiol. 4: 54-71. Ja.19, 1933. no.1.

On a number of bacteria & two fungi, Trichothecium roseum and Sclerotinia cinera.

Arch. Pflanzenb. (Wiss. Arch. Landw. Abt.A) (Berlin) (18W76)

Klapp, E. & Stählin, A.

Wiesen und wiesenpflanzen in Mitteldeutschland. III, Häufigkeit, Standorte und zeigerwert der arten in wiesen verschiedener höhenlage, feuchtigkeit und versalzung. Arch. Pflanzenb. (Wiss. Arch. Landw. Abt.A) 10: 422-452. Ag.23, 1933. no.3.

Schaffer-Kurcher, V.

Ueber den einfluss der bodenreaktion auf die keimung von mais und hirse. Arch. Pflanzenb. (Wiss. Arch. Landw. Abt.A) 10: 324-348. Ag.23, 1933. no.3.

Schmidt, E. W. & Feistritzer, W.

Beiträge zur fusskrankheit des getreides und ihrer bekämpfung. Arch. Pflanzenb. (Wiss. Arch. Landw. Abt.A) 10: 391-421. Ag.23, 1933. no.3.

Ber. Naturw. Ver. Bielefeld. (410.9N213)

Budde, H.

Die algen (ausser Desmidiaceen) des schutzgebietes Kipshagen. Ber. Naturw. Ver. Bielefeld 6: 153-156. 1933.

Franken, A.

Desmidiaceen und andere zieralgen aus dem gebiete der Kipshagener teiche. Ber. Naturw. Ver. Bielefeld 6: 67-152. incl. xv pl. 1933.

Gottlieb, H.

Die höheren pflanzen des schutzgebietes Kipshagen. Ber. Naturw. Ver. Bielefeld 6: 175-188. 1933.

Ber. Naturw. Ver. Bielefeld. (cont.)
Koppe, F.
Pilze, flechten und moose im schutzgebiet Kipshagen. Ber. Naturw. Ver. Bielefeld 6: 157-173. 1933.

Koppe, F.
Die vegetationsverhältnisse des schutzgebietes Kipshagen. Ber. Naturw. Ver. Bielefeld 6: 45-65. 2 pl. 1933.

Biochem. Zeitschr. (Berlin) (384B522)
Bernhauer, K. & Slanina, F.
Zum chemismus der durch Aspergillus niger bewirkten säurebildungsvorgänge. X. Ueber die bildung von oxalsäure aus ameisensäure. Biochem. Zeitschr. 264: 109-112. Ag.17, 1933. no.1/3.

Brücke, F.Th.
Ueber glykogenbildung in hefe. Biochem. Zeitschr. 264: 157-162. Ag.17, 1933. no.1/3.

Spoehr. H. A. & Strain, H. H.
Ueber die angebliche polysaccharidbildung in alkalischen lösungen von hexosen. Biochem. Zeitschr. 264: 1-5. Ag.17, 1933. no.1/3.

Bol. Mens Min. Agr. Argentine (Buenos Aires)
Blanchard, E. E. & Carrera, C.
Causas que originan pérididas en los cultivos de trigos en el sur de la Prov. de Buenos Aires, este y norte de la Pampa. Bol. Mens.Min. Agr. Argentine 32: 3-10. Ja. 1933. no.1.

Nievas, R.
La caries o carbón hediondo del trigo. Bol. Mens. Min. Agr. Argentine 32: 397-411. illus. Mr. 1933. no.3.

Boll. R. Ist. Sup. Agr. Pisa (105.4P672)
Baldacci, E.
Studi sulla fitoimmunità acquisita attiva. Boll. R. Ist. Sup. Agr. Pisa 8: 457-472. 1932.

Bonaventura, G.
Cuscuta pentagona, Engel., su nuove matrici. Boll. R. Ist. Sup. Agr. Pisa 8: 623-627. 1932.

Boll. R. Ist. Sup. Agr. Pisa (cont.)

Bonaventura, G.
Primo contributo allo studio della flora del
M. Fumaiolo. Boll. R. Ist. Sup. Agr. Pisa
8: 671-709. illus. (maps) 1932.

Bonaventura, G.
Tuberi epigei in Solanum tuberosum, L.
Boll. R. Ist. Sup. Agr. Pisa 8: 597-609. illus.
1932.

Galli, P.
Nuove ricerche sperimentali sull' autosterilità
del susino Burbank. Boll. R. Ist. Sup. Agr. Pisa
8: 375-399. illus. 1932.

Leoncini, G.
Contributo alla conoscenza della materia
colorante rossa dei frutti di Diospyros kaki.
Boll. R. Ist. Sup. Agr. Pisa 8: 629-646. 1932.

Leoncini, G. & Rogai, F.
Osservazioni sulle variazioni delle sostanze
zuccherine durante la maturazione di alcune varietà
di pesche. III. Boll. R. Ist. Sup. Agr. Pisa
8: 776-786. 1932.

Leoncini, G.
Le variazioni del tannino solubile durante
la vita dei frutti e delle foglie del Diospyros
kaki. Boll. R. Ist. Sup. Agr. Pisa 8: 743-757.
1932.

Luchetti, G.
Alcune ricerche sull' influenza esercitata
da seleniti e telluriti sulla microflora. Boll.
R. Ist. Sup. Agr. Pisa 8: 473-490. 1932.

Nuccorini, R.
Ricerche chimiche sulla frutta VII-VIII.
Boll. R. Ist. Sup. Agr. Pisa 8: 277-290, 329-345.
1932.
VII. Alcune esperienze sulla maturazione delle
sorbe. VIII. Ancora sulla maturazione precoce e
tardiva.

Boll. R. Ist. Sup. Agr. Pisa. (cont.)

Nuccorini, R. & Troiani, U.
Sopra l'azione dell' acqua marina sulla Salsola soda. Boll. R. Ist. Sup. Agr. Pisa 8: 357-373. 1932.

Nuccorini, R.
Sulla presenza della mannite nelle olive. Boll. R. Ist. Sup. Agr. Pisa 8: 347-356. 1932.

Nuccorini, R.
Sulle sostanze fluorescenti alla luce di Wood contenute nei vegetali. III. Boll. R. Ist. Sup. Agr. Pisa 8: 491-507. illus. 1932.

Passerini, N.
L' Ambrosia artemisiaefolia L. avventizia in Toscana. Boll. R. Ist. Sup. Agr. Pisa 8: 787-788. 1932.

Passerini, N.
Rimarchevole resistenza di alcuni semi alla prolungata immersione in solfuro di carbonio, tetraclorure di carbonio, benzina commerciale e petrolio. Boll. R. Ist. Sup. Agr. Pisa 8: 711-741. 1932.

Perotti, R.
Note fitopatologiche per gli anni 1929-31. Boll. R. Ist. Sup. Agr. Pisa 8: 215-245. illus. 1932.

Rossi, F.
Osservazioni sullo sviluppo di alcuni funghi in mezzi chimicamente definiti. Boll. R. Ist. Sup. Agr. Pisa 8: 445-450. 1932.

Valleggi, M.
La batterioriza della Borrago officnalis L. Boll. R. Ist. Sup. Agr. Pisa 8: 401-410. illus. 1932.

Verona, O. & Bruschi, G.
Su di alcuni nuovi prodotti anticrittogamici a base di mercurio e tannini sintetici. Boll. R. Ist. Sup. Agr. Pisa 8: 197-213. 1932.

Verona, O.
Sul cosidetto vaiolo del cavolfiore. Boll. R. Ist. Sup. Agr. Pisa 8: 291-299. illus. 1932.

Boll. R. Ist. Sup. Agr. Pisa (cont.)

Verona, O.

Sul marciumedel colletto dei garofani.
Boll. R. Ist. Sup. Agr. Pisa 8: 451-455. 1932.
Fusarium dianthi.

Bot. Gaz. (Chicago) (450B652)

Blair, J. M.

A new method of detecting patterns in the rays of flowers. Bot. Gaz. 95: 172-173. S. 1933. no. 1.
Experiments with common sunflower.

Cooper, D. C.

Macrosporogenesis and embryology of Melilotus. Bot. Gaz. 95: 143-155. pl. ii-iii. S. 1933. no. 1.

Crocker, E. C.

Mäule lignin test on Podocarpus wood. Bot. Gaz. 95: 168-171. S. 1933. no. 1.

Johnson, D. S.

Structure and development of Pilularia minuta. Durieu manuscript. Bot. Gaz. 95: 104-127. illus. S. 1933. no.1.

Link, G. K.K. & Wilcox, H. W.

Precipitin-ring test applied to fungi. II. Bot. Gaz. 95: 1-34. S. 1933. no.1.

Nightingale, G. T.

Effects of temperature of metabolism in tomato. Bot. Gaz. 95: 35-58. illus. S. 1933. no.1.

Sax, K. & Edmonds, H. W.

Development of the male gametophyte in Tradescantia. Bot. Gaz. 95: 156-163. pl. iv. S. 1933. no.1.

Sherff, E. E.

New or otherwise noteworthy compositae. IX. Bot. Gaz. 95: 78-103. S. 1933. no.1.

Steil, W. N.

New cases of apogamy in certain homosporous leptosporangiate ferns. Bot. Gaz. 95: 164-167. illus. S. 1933. no.1.

Bot. Gaz. (cont.)

Taubenhaus, J. J.
Fusarium wilt and corm rot of freesias. Bot. Gaz. 95: 128-142. illus. S. 1933. no.1.

Tilden, J. E.
A classification of the algae based on evolutionary development, with special reference to pigmentation. Bot. Gaz. 95: 59-77. col. pl. i. S. 1933. no.1.

Bryologist (Pittsburg) (450B84)

Andrews, A. L.
The California Stablerias. Bryologist 35: 49-51. Jl./N. 1932. no.4/6.

Grout, A. J.
Notes on the Kindberg herbarium. Bryologist 35: 71-72. Jl./N. 1932. no.4/6.

Ikenberry, C. J.
The mosses of North Dakota. Bryologist 35: 74-82. illus. (map) Jl./N. 1932. no.4/6.

Moxley, E. A.
The moss flora of North Grey county and part of the Bruce Peninsula. Bryologist 35: 61-70. Jl./N. 1932. no.4/6.

Pitman, H.
Cladonias collected in Maine, U. S. A. Bryologist 35: 72-73. Jl./N. 1932. no.4/6.

Plitt, C. C.
H. Dupret. Bryologist 35: 83. Jl./N. 1932. no.4/6.

Plitt, C. C.
Two new species of lichens. Bryologist 35: 82-83. Jl./N. 1932. no.4/6.
Cyphelium subtigillare, Lecanora lividolutea.

Podpěra, J. & Suza, J.
Ad bryophytorum et lichenum cognitionem peninsulae Labrador additamentum. Bryologist 35: 54-57. Jl./N. 1932. no.4/6.

Bryologist (cont.)
Sainsbury, G. O. K.
Hybridism in mosses. Bryologist 35: 58-
61. Jl./N. 1932. no.4/6.

Williams, R. S.
Lindbergia in North America. Bryologist
35: 51-52. Jl./N. 1932. no.4/6.
L. brachyptera.

Williams, R.S.
Sciaromium fryei sp.nov. Bryologist 35:
52: 53, pl. v. Jl./N. 1932. no.4/6.

Bulet. Cult. şi Ferm. Tutun. (Bull. Inst. Cult. & Ferm.
Tabac.) (Bucarest) (69.8B89)
Ghimpu, V.
Contributiuni la studiul variatiunilor genului
Nicotiana. (Contributions a l'etude des variations
chez Nicotiana). Bulet. Cult. şi Ferm. Tutun.
(Bull. Inst. Exp. Cult. & Ferm. Tabac) 22: 3-32.
pl. i-xvi. Ja./Mr. 1933. no.1.
French résumé: p.23-31.

Bull. Agence Gén. Colon. France. (Paris) (260C71B)
Aubréville, A. M.
Les copaliers de l'Afrique occidentale française. Bull. Agence Gén. Colon. France 26:
981-986. 2 pl. Jl. 1933. no.292.

Bull. Counc. Sci. & Ind. Res. Austr. (Melbourne) (514Au72B)
McLennan, E. I. & Hoëtte, S.
Nigrospora musae n.sp. and its connexion with
"squirter" disease in bananas. Bull. Counc. Sci.
& Ind. Res. Austr. 75. 36 p. illus., pl.
1933.

Bull. Dept. Agr. Feder. Malay States (22.5F31Bg)
Greenstreet, V. R. & Lambourne, J.
Tapioca in Malaya. Bull. Dept. Agr. Feder.
Malay States no.13. 76 p. xiv pl. 1933.

Bull. Min. Agr. Gt. Brit. (10G794B)
Gt. Brit. Ministry of agriculture and fisheries.
Vegetable diseases, a brief summary. Its
Bulletin no.68. 141 p. 1933.

Bull. Soc. Bot. France (Paris) (451F84B)

Belval, H.
Deux plantes nouvelles de chine. Bull. Soc. Bot. France 80: 97-99. My.23, 1933. no.1/2.
Elaeagnus courtoisi. Amorphophallus sinensis.

Camus, A.
Hybrides nouveaux du genre Bromus. Bull. Soc. Bot. France 80: 38-39. My.23, 1933. no.1/2.
Bromus granatensis (B. madritensis x rubens), Bromus segoviensis (B. rubens x tectorum)

Charbonnel, J. B.
Notes rhodologiques. Bull. Soc. Bot. France 80: 39-48. My.23, 1933. no.1/2.

Chaudhuri, H.
Formation anormale de conidiophores chez l'Aspergillus nidulans. Bull. Soc. Bot. France 80: 29-30. illus. My.23, 1933. no.1/2.

Chermezon, H.
Observations sur le genre Microdracoides. Bull. Soc. Bot. France 80: 90-97. illus. My.23, 1933. no.1/2.

Chevalier, A.
Le territoire géo-botanique de l'Afrique tropicale nord-occidentale et ses subdivisions. Bull. Soc. Bot. France 80: 4-26. illus. (map) My.23, 1933. no.1/2.

Colin, H. & Augier, J.
Les glucides de la prêle des champs. Bull. Soc. Bot. France 80: 50-51. My.23, 1933. no.1/2.

Deflandre, G.
Seconde note sur les archaeomonadacées. Bull. Soc. Bot. France 80: 79-90. illus. My.23, 1933. no.1/2.

Friedel, J.
Sur l'anatomie de l'Oceanopapaver neo-caledonicum Guillaumin. Importance de cette espèce au point de vue systématique. Bull. Soc. Bot. France 80: 33-35. My.23, 1933. no.1/2.

Bull. Soc. Bot. France (cont.)

Gagnepain, F.

Oléacées nouvelles d'Indochine. Bull. Soc. Bot. France 80: 73-78. My.23, 1933. no.1/2.

New species in Jasminum, Myxopyrum pierrei & Osmanthus pedunculatus.

Genty, P.

Note complémentaire aux truffes de Bourgogne. Bull. Soc. Bot. France 80: 69-72. My.23, 1933. no.1/2.

Guillaumin, A.

Matériaux pour la flore de la Nouvelle-Calédonie. XXXII. Révision des linacées. Bull. Soc. Bot. France 80: 35-38. My.23, 1933. no.1/2.

Hugonia neo-caledonica Viell. mss. nom.nov., H. papillosa n.sp.

Pitot, A.

Sur le rôle de la protubérance dans les graines des papilionacées. Bull. Soc. Bot. France 80: 27-29. illus. My.23, 1933. no.1/2.

Souèges, R.

Recherches sur l'embryogénie des joncacées. Bull. Soc. Bot. France 80: 51-69. illus. My.23, 1933. no.1/2.

China Journ. (Shanghai) (475C44)

Porterfield, W. M.

Lawn and roadside plants of Shanghai. 3. China Journ. 19: 82-90. illus. Ag.1933. no.2.

Compt. Rend. Acad. Sci. Paris (505P21)

Blaringham, L.

L'habitus des lins en rapport avec leur fécondité et leur sélection. Compt. Rend. Acad. Sci. Paris 197: 505-508. Ag.21, 1933. no.8.

Bourdouil, C.

Sur quelques caractères intermédiaires des hybrides de deuxième génération entre espèces de Pisum (P. sativum avec P. arvense). Compt. Rend. Acad. Sci. Paris 197: 531-533. Ag.21, 1933. no. 8.

Compt. Rend. Soc. Biol. Paris (442.9P21)

Allain, A.
Contribution a l'étude du Phytophthora cambivora Compt. Rend. Soc. Biol. Paris 113: 1405-1407. illus. 1933. no.28.

Auger, D.
Contribution a l'étude de la propagation de la variation électrique chez les characées. Compt. Rend. Soc. Biol. Paris 113: 1437-1440. 1933. no.28.

Bouillenne, R. & Demaret, F.
Echanges respiratoires en fonction de l'hydratation chez Bryonia dioica; un tubercule de chaque sexe insolé et suivi jusqu'a la fin de l'expérience. Compt. Rend. Soc. Biol. Paris 113: 1546-1548. 1933. no.28.

Bouillenne, R. & Demaret, F.
Echanges respiratoires en fonction de l'Hydratation chez Bryonia dioica; tubercules males et tubercules femelles en période de repos. Compt. Rend. Soc. Biol. Paris 113: 1543-1545. 1933. no.28.

Contr. Boyce Thomps. Inst. Plant Res. (451B69)

Carlson, M. C.
Comparative anatomical studies of Dorothy Perkins and American Pillar roses. I-II. Contr. Boyce Thomp. Inst. Plant Res. 5: 313-330. illus. Jl./S. 1933. no.3.
I. Anatomy of canes. II. Origin and development of adventitious roots in cuttings.

Denny, F. E.
Changes in leaves during the period preceding frost. Contr. Boyce Thomp. Inst. Plant Res. 5: 297-312. Jl./S. 1933. no.3.

Denny, F. E.
Effect of ethylene chlorhydrin vapors upon the chemical composition of Gladiolus corms. Contr. Boyce Thomp. Inst. Plant Res. 5: 435-440. Jl./S. 1933. no.3.

Denny, F. E.
Effect of potassium thiocyanate and ethylene chlorhydrin upon amylase activity. Contr. Boyce Thomp. Inst. Plant Res. 5: 441-450. Jl./S.1933. no.3.

Contr. Boyce Thomps. Inst. Plant Res. (cont.)

Guthrie, J. D.

Change in the glutathione content of potato tubers treated with chemicals that break the rest period. Contr. Boyce Thomp. Inst. Plant Res. 5: 331-350. Jl./S. 1933. no.3.

McCool, M. M.

Effect of thallium sulphate on the growth of several plants and on nitrification in soils. Contr. Boyce Thomp. Inst. Plant Res. 5: 289-296. illus. Jl./S. 1933. no.3.

Thornton, N. C.

Carbon dioxide storage III-IV. Contr. Boyce Thomp. Inst. Plant Res. 5: 371-402, 403-418. Jl./S. 1933. no.3.

III. The influence of carbon dioxide on the oxygen uptake by fruits and vegetables. IV. The influence of carbon dioxide on the acidity of plant tissue.

Woods, M. W.

Intracellular bodies associated with ring-spot. Contr. Boyce Thomp. Inst. Plant Res. 5: 419-434. illus. JL./S. 1933. no.3.

Zimmerman, P. W. & Hitchcock, A. E.

Initiation and stimulation of adventitious roots caused by unsaturated hydrocarbon gases. Contr. Boyce Thomp. Inst. Plant Res. 5: 351-369. illus. Jl./S. 1933. no.3.

Desert (Pasadena) (450D45)

Walther, E.

Xerophytes for California gardens. Desert (Pasadena) 5: 67-68. illus. S.1933. no.5.

Farming So. Africa (Pretoria) (24So842)

Moore, E. S. & Smith, A. J.

Control of pests and diseases in tobacco seedbeds. Farming So. Africa 8: 305-306. illus. Ag. 1933. no.89.

Moore, E. S. & Smith, A. J.

Pests and diseases in tobacco seedbeds. Farming So. Africa 8: 314-316. illus. Ag. 1933. no.89.

Flor. Exch. (N.Y.) (80F666)
Prof. William G. Craib. Flor. Exch. 81(36): 11. S.9, 1933.
Notice of death on Sep. 1.

Flor. Rev. (Chicago) (80W41)
Chadwick, L. C.
Blight of rhododendrons. Flor. Rev. 72(1867): 44. S.7, 1933.
Control measures.

Chadwick, L. C.
Juniper blight. Flor. Rev. 72(1867): 44-45. S.7, 1933.
Control measures.

Flygblad Stat. Växtskyddsanst. Sweden (464.9Sw3)
Ahlberg, O.
Potatisålen. (Heterodera schachtii subsp. rostochiensis Woll.) Flygblad Stat. Växtskyddsanst. Sweden no.1. 5 p. illus. Mr.1933.

Lindfors, T.
Korta anvisningar rörande utsädesbetning. Flygblad Stat. Växtskyddsanst. Sweden no.2. 6 p. illus. Mr. 1933.

Lindfors, T.
Utrotning av berberisbusken. Flygblad Stat. Växtskyddsanst. Sweden no.5. 5 p. col.pl. Je. 1933.

Fruit Grow. Fruiterer, Flor. & Mark. Gard. (London) (80F941)
Wormald, H.
Brown rot fungi. Recent observations on their incidence. (cont.) Fruit Grow. Fruiterer, Flor. & Mark. Gard. 76: 259-260. Ag.24, 1933. no.1967.

Gard. Quart. San Francisco (80G1616)
Fuller, E. R.
Hunting Pentstemon in their native haunts. Gard. Quart. San Francisco 1: 11-12. illus. 1933. no.1.

Scarborough, O. M.
Native plants and flowers of northern California. Gard. Quart. San Francisco 1: 35-36. illus. 1933. no.1.

Gard. Chron. (London) (80G162)

The behaviour of garden plants. X. Viburnum rhytidophyllum. Gard. Chron. III, 94: 91. Ag.5, 1933. no.2432.

Besant, J. W.

The replacement of lost leaders in conifers. Gard. Chron. III, 94:160. illus. Ag.26, 1933. no. 2435.

Godfery, M. J.

How long do our tuberous-rooted orchids live? Gard. Chron. III, 94: 101. S.2, 1933. no.2436.

Grove, A.

The sterility of Lilium candidum. Gard. Chron. III, 94: 180. S.2, 1933. no.2436.

Hutchinson, J.

Rhododendron caesium, Hutch., n.sp. (Triflorum series). Gard. Chron. III, 94: 102. S.2, 1933. no.2436.

Ingram, C.

Rhododendrons in a sunny climate. Gard. Chron. III, 94: 182. S.2, 1933. no.2436.

Keeble, F. Sir.

The nitrogen hunger of the world. I-II Gard. Chron. III, 94: 160-162, 182-183, Ag. 26, S.2, 1933. no.2435, 2436.

Marquand, C. V. B.

Sorbus sargentiana var. warleyensis. Gard. Chron. III, 94: 177. illus. S.2, 1933. no.2436.

Agrees with E. H. Wilson's unnamed fruiting specimen, no.3,492 of his collection made on Veitch expedition to western China.

Ward, F. K.

Mr. F. Kingdon Ward's eleventh expedition in Asia. XXXIV-XXXVI. Gard. Chron. III, 94: 98-99, 180-181. illus. Ag.5, S.2, 1933. no.2432, 2436.

XXXIV. Cremanthodiums and asters. XXXVI. Over the pass.

Gartenbauwiss. (Berlin) (80G195)
Gleisberg, W. & Mentzel, F.
Die physiologische wirkung von obstbaumkarbolineum. (Methodik einer allgemeinen biologischen prüfung der obstbaumkarbolineen). Gartenbauwiss. 7: 711-745. illus. Ag.15, 1933. no.6.

Gleisberg, W.
Die wirking von phenolpräparaten auf gärtnerische kulturpflanzen. Gartenbauwiss. 7: 678-710. illus. Ag.15, 1933. no.6.

Härdtl, H.
Ueber das bluten der bäume und das vorkommen von mikroorganismen im blutungssaft. Gartenbauwiss. 7: 673-677. illus. Ag.15, 1933. no.6.

Richs, E.
Saugkraftuntersuchungen an obstgehölzen. Gartenbauwiss. 7: 629-638. Ag.15, 1933. no.6.

Glasnik Bot. Zavoda i Bashte Univ. Beogradu (Bull. Inst. & Jard. Bot. Univ. Beograd) (Belgrad) (451B412)
Košanin, N.
Nachtrag zu Sambucus ebulus L. var. deborensis Koš. Glasnik Bot. Zavoda i Bashte Univ. Beogradu (Bull. Inst. & Jard. Bot. Univ. Beograd) 2: 128. [1932.] no.1/2.

Gosud. Inst. Tabak. (State Inst. Tobacco Invest. Bull.) (Krasnodar) (69.9K86)
Davidovich, S. B.
Materialy po selektsii Abkhazskikh tabakov (Breeding Abkhasian tobaccos). Gosud. Inst. Tabak. (State Inst. Tobacco Invest. Bull.) Krasnodar no.101. 54 p. illus. 1933.
Russian with English summary.

Hedwigia (Dresden) (450H35)
Erichsen, C. F. E.
Neue und bemerkenswerte atlantische flechten im deutschen küstengebiet. Hedwigia 73: 1-24. illus. (maps) Mr.30, 1933. no.1/2.

Hedwigia (cont.)

Hilpert, F.

Eine neue laubmoosgattung. Hedwigia 73: 68-70. Illus. Mr.30, 1933. no.1/2.

Pseudohyophila peruviana n.gen. n.sp. (Hyophila)

Lange, H.

Zur flechtenflora des Erzgebirges. (Das obere Zschopaugebiet: nachträge und berichtigungen). Hedwigia 73: 39-53. illus. Mr.30, 1933. no.1/2.

Pilát, A.

De Poria aurea Peck, specie americana in montibus Carpaticis orientalibus lecta. Hedwigia 73: 31-33. illus., pl. i. Mr.30, 1933. no.1/2.

Redinger, K.

Neue und wenig bekamnte flechten aus Brasilien. Hedwigia 73: 54-67. illus. Mr.30, 1933. no.1/2.

Schuster, J.

Ueber die problematische als koloniebildende kalkabscheidende alge betrachtete präcambrische Collenia im südäquatorialen Afrika. Hedwigia 73: 34-38. pl.ii. Mr.30, 1933. no.1/2.

Torka, V.

Drei neue diatomeen. Hedwigia 73: 25-30. illus. Mr.30, 1933. no.1/2.

Pinnularia umbratica, Navicula hexagona, N. recognita.

House and Gard. (Greenwich, Conn.) (90H81)

Coombs, S. V.

South African plants for American gardeners. House and Gard. 64(4): 43-45, 72. illus. O. 1933.

Intern. Bull. Plant Prot. (464.8In8)

Uppal, B. N.

India: plant diseases in the Bombay Presidency. Intern. Bull. Plant Prot. 7: 187. Ag.1933.

Ital. Agr. (Milan) (16It1)

Crescini, F.

Ulteriori osservazioni sul sistema radicale del grano. Ital. Agr. 70: 864-867. Ag.1933. no.8.

Ital. Agr. (cont.)

Racah, V.
La susina "Florenzia" nel suo terzo anno di prova. Ital. Agr. 70: 835-841. illus. Ag. 1933. no.8.

Robustelli, G. B.
Effetti e danni da gelo tardivo sul frumento. Ital. Agr. 70: 864-873. illus. Ag. 1933. no.8.

Jahrb. Wiss. Bot. (Leipzig) (450P93J)

Kisser, J, & Lorenz, M.
Die wirkung von reizchemikalien auf die keimung von Pisum und Triticum unter optimalen keimungsbedingungen. Jahrb. Wiss. Bot. 78: 665-750. illus. 1933. no.5.

Stocker, O.
Transpiration und wasserhaushalt in verschiedenen klimazonen. II. Untersuchungen in der ungarischen alkalisteppe. Jahrb. Wiss. Bot. 78: 751-856. illus. 1933. no.5.

Journ. Agr. Res. (Washington, D. C.) (1Ag84J)

Flor, H. H.
Studies on physiologic specialization in Tilletia tritici and T. levis in the Pacific Northwest. Journ. Agr. Res. 47: 193-213. illus. Ag.15, 1933. (Rec'd S.7) no.4.

Magruder, R. & Myers, C. H.
The inheritance of some plant colors in cabbage. Journ. Agr. Res. 47: 233-248. Ag.15, 1933 (Rec'd S.7) no.4.

Thompson, R. C.
A morphological study of flower and seed development in cabbage. Journ. Agr. Res. 47: 215-232. illus. Ag.15, 1933. (Rec'd S.7) no.4.

Journ. Amer. Chem. Soc. (381Am33J)

Anderson, A. B.
Dehydroperillic acid, an acid from western red cedar (Thuja plicata Don). Journ. Amer. Chem. Soc. 55: 3813-3819. S. 1933. no.9.
Thuja plicata.

Carpenter, D. C. & Lovelace, F. E.
The isoelectric point of orange seed globulin. Journ. Amer. Chem. Soc. 55: 3738-3740. illus. S. 1933. no.9.

Journ. Amer. Soc. Agron. (Geneva, N. Y.) (4 Am34P)
Clark, E.R. & Wilson, H. K.
Lodging in small grains. Journ. Amer. Soc. Agron. 25: 561-572. illus. S. 1933. no.9.

Tidmore, J. W.
Ammonium hydroxide versus calcium nitrate for cotton seedlings. Journ. Amer. Soc. Agron. 25: 619-622. illus. S. 1933. no.9.

Journ. Biol. Chem. (Baltimore) 381J824)
Schlenker, F. S.
The quantitative microanalysis of plant juice for reducing sugars and sucrose. Journ. Biol. Chem. 102: 29-33. S. 1933. no.1.

Journ. Dept. Agr. Victoria (Melbourne) (23V66J)
Adam, D. B.
Blue mould of tobacco. Journ. Dept. Agr. Victoria 31: 412-416. illus. Ag.1933. no.8.
On the morphology of the fungus and its nomenclature.

Fish, S.
Brown rot of peaches. Journ. Dept. Agr. Victoria 31: 381-383, 387. illus. Ag. 1933. no. 8.

Strickland, A. G.
Winter and spring injury to deciduous fruit trees. Journ. Dept. Agr. Victoria 31: 384-387. illus. Ag. 1933. no.8.

Journ. Fac. Agr. Hokkaido Imp. Univ. (Sapporo) (107.6J273J)
Ito, S. & Tokunaga, Y.
Studies on the rot-disease of rice-seedlings caused by Pythium-species. Journ. Fac. Agr. Hokkaido Imp. Univ. 32: 201-228. pl.xiv-xviii. Jl. 1933. no.5.
P. oryzae, P. nagaii, P. echinocarpum n.spp.

Journ. Gen. Physiol. (Baltimore) (447.8J822)
Blinks, L. R.
Protoplasmic potentials in Halicystis. III. The effects of ammonia. Journ. Gen. Physiol. 17: 109-128. illus. S.20, 1933. no.1.

Bonner, J.
The action of the plant growth hormone. Journ. Gen. Physiol. 17: 63-76. S.20, 1933. no.1.
Experiments with Avena.

Journ. Gen. Physiol. (cont.)

Castle, E. S.
The physical basis of the positive phototropism of Phycomyces. Journ. Gen. Physiol. 17: 49-62. S.20, 1933. no.1.

Osterhout, W. J. V. & Hill, S. E.
Anesthesia in acid and alkaline solutions. Journ. Gen. Physiol. 17: 99-103. S.20, 1933. no. 1.
Experiments with Nitella.

Osterhout, W. J. V. & Hill, S. E.
Anesthesia produced by distilled water. Journ. Gen. Physiol. 17: 87-98. illus. S.20, 1933. no. 1.
Experiments with Nitella flexilis.

Osterhout, W. J. V. & Hill, S. E.
Reversible loss of the potassium effect in distilled water. Journ. Gen. Physiol. 17: 105-108. S.20, 1933. no.1.
Experiments with Nitella.

Journ. Genetics (London) (442.8J823)

Briggs, F. N.
A third genetic factor for resistance to bunt, Tilletia tritici, in wheat hybrids. Journ. Genetics 27: 435-441. Ag. 1933. no.3.

Hrubý, K.
Preliminary report on Saliva nutans L., S. jurišícii Koš. and the probable hybrid thereof. Journ. Genetics 27: 471-482. illus., pl. xxiv-xxvi. Ag. 1933. no.3.

Journ. Hered. (Washington) (442.8Am3)

Li, H. W.
Heritable characters in maize XLV. Nana. Journ. Hered. 24: 279-281. illus. Jl.1933. no.7.

Shamel, A. D., Pomeroy, C. S., Caryl, R. E. & Harmon, F. N.
Bud variation in the Agen plum. Journ. Hered. 24: 286-292. illus. Jl. 1933. no.7.

Journ. Malay. Br. Roy. Asiatic Soc. (513Si6)
Carr, C. E.
Some Malayan orchids IV. Journ. Malay. Br. Roy. Asiatic Soc. 11: 66-109. 13 pl. Mr.1933.

Corner, E. J. H.
A revision of the Malayan species of Ficus: Covellia and Neomorphe. Journ. Malay. Br. Roy. Asiatic Soc. 11: 1-65. illus. Mr.1933.
F. viridicarpa n.sp.

Journ. N. Y. Bot. Gard. (89N48J)
Small, J. K.
Semi-aquatic cacti. Journ. N.Y. Bot. Gard. 34: 199-203. illus. S.1933. no.405.

Journ. Washington Acad. Sci. (500W276J)
Stevens, N. E.
The dark ages in plant pathology in America: 1830-1870. Journ. Washington Acad. Sci. 23: 435-446. illus.(maps) S.15, 1933. no.9.

Kosmos (Stuttgart) (474K842)
Meyer, O.
Ein lebendes fossil unter den pflanzen: Ginkgo biloba. Kosmos 30: 312, 315-316. illus. S. 1933. no.9.

Zappe, H.
Pflanzenbilder auf griechischen münzen. Kosmos 30: 310-311. illus. S. 1933. no.9.

Kühn-Arch. (Berlin) (105.8H15Ku)
Hollrung, M.
100 jahre kartoffelkrankheit. Ein kritischer rückblick. Kühn-Arch. 33: 27-122. illus. 1932.

Radulescu, E.
Zur physiologischen spezialisierung des weizenbraunrostes (Puccinia triticina Erikss). Kühn-Arch. 33: 193-205. illus. 1932.

Rathlef, H. v.
Die stammtafeln des weltsortiments der kartoffel und ihre generative fruchtbaren sorten. Kühn-Arch. 33: 297-431. 1932.

Kühn-Arch. (cont.)
Wingerberg, F.
Studien über den gewöhnlichen kartoffelschorf und seine erreger. Kühn-Arch. 33: 259-295. 1932.

Meded. Besoek. Proefstat. (Buitenzorg) (109.5B46M)
Besoekisch proefstation.
Phytopathologische onderzoekingen. In its Verslag over het jaar 1932. Meded. Besoek. Proefstat. 49: 21-27. 1933.
G.A. Reydon pathologist.

Meld. Norges Landbruks (Oslo) (104N762M)
Lunden, A. P.
Potetsortenes motstandsdyktighet mot skurvangrep. (Investigations on the resistance to common scab (Actinomyces) in different varieites of potato) Meld. Norges Landbruks. 13: 849-856. 1933. no.10.

Mem. Soc. Vaud. Sci. Nat. (Lausanne) (508L37M)
Cruchet, E.
La flore rudérale et adventice de Lausanne et de ses environs. Mem. Soc. Vaud. Sci. Nat. 4: 273-328. My.31, 1933. no.5.

Mezógazd. Kutat. Budapest (19M57)
Tuzson, J. Jr.
A búzafajták azonosságának meghatározása a termeshéj színesítésével. (Bestimmung der weizensorten durch färbung der fruchtschale). Mezögazd. Kütat. Budapest 6:245-274. illus. Jl./Ag. 1933. no. 7/8.
German summary: p.273-274.

Mitt. Deut. Landw. Ges. (Berlin) (18D48M)
Hempelmann, & Steininger,
Beobachtungen über fusskrankheit am weizen. Mitt. Deut. Landw. Ges. 48: 783-785. S.9, 1933. no.36.

Nachrichtenbl. Deut. Pflanzenschutzd. (Berlin) (464.9N11)
Voss, J.
Gelbrostwiderstandsfähigkeit als sorteneigenschaft beim weizen. Nachrichtenbl. Deut. Pflanzenschutzd. 13: 73-74. S. 1933. no.9.

Nat.&Appl. Sci. Bull. Univ. Philipp. (475P532)

Adriano, F. T. & Yonzon, E.

Notes on the natural color preservation of Philippine plant materials for museum or exhibition purposes. Nat.&Appl. Sci. Bull. Univ. Philipp. 3: 123-125. Jl. 1933. no.1.

Stevens, F. L. & Schneider, M.

Philippine Hemisphaeriaceae. Nat. & Appl. Sci. Bull. Univ. Philipp. 3: 21-26. illus. Jl. 1933. no. 1.

Nature (London) (472N21)

... Dr. M. O. Malte... Nature 132: 275. Ag.19, 1933. no.3329.

Notice of death.

Dr. Otto Stapf. F.R.S. Nature 132: 305. Ag.26, 1933. no.3330.

Died Aug.3, at age of 76.

Mr. H. F. Tagg. Nature 132: 342. S.2, 1933. no.3331.

Died Aug.9, at 59 years.

Polunin, N.

Conduction through roots in frozen soil. Nature 132: 313-314. Ag.26, 1933. no.3330.

Experiments with Betula odorata.

Prof. H. G. Greenish. Nature 132: 305-306. Ag.26, 1933. no.3330.

Died Aug.2.

Nova Acta Leopoldina (509H152)

Vavilov, N. I.

Das problem der entstehung der kulturpflanzen. Nova Acta Leopoldina 1: 332-337. 1933. no.2/3.

Obst- u. Gemüseb. (Berlin) (80P7750)

Gleisberg, W.

Verwachsungswülste an veredlunger. Obst- u. Gemüseb. 79: 121-123. illus. Ag.15, 1933. no.8.

Schibilla,

Wucherungen an kirschbäumen. Obst- u. Gemüseb. 79: 120-131. illus. Ag.15, 1933. no.8.

Perfum. & Essent. Oil Rec. (London) (308.8P41)
Dr. Otto Stapf, F.R.S. Perfum. & Essent. Oil Rec. 24: 273. Ag.22, 1933. no.8.
Obituary.

Malowan, S. L.
The essential oils of the conifers. Perfum. & Essen. Oil Rec. 24: 271-273. Ag.22, 1933. no,8.

Sreenivasays, M.
Spike disease of sandal. Quinquennial survey of investigations. Perfum. & Essent. Oil Rec. 24: 265-266. Ag.22, 1933. no.8.
Abridged.

Philipp. Agr. (Los Banos) (25P542)
Madrid, P. Z.
The effect of different soil media on the rate of growth of cacao (Theobroma cacao L,) seedlings. Philipp. Agr. 22: 172-188. illus. Ag.1933. no.3.

Phil. Trans. Roy. Soc. (London) (501L84Pb)
Snow, M. & Snow, R.
Experiments on phyllotaxis. II. The effect of displacing a primordium. Phil. Trans. Roy. Soc. (London) 222: 353-400. illus. 1933.

Prace Biura Melj. Polesia (Trav. Bur. Asséch. Marais Polesie) (54.9P79)
Tołpa, S.
Torfowiska okolicy Sarn (Torfmoore der umgebung von Sanry) Prace Biura Melj. Polesia (Trav. Bur. Asséch. Marais Polesia) v.2, no.2. 24 p. 5 pl. 1933.
Polish with German summary.

Prace Wydz. Chor. Rośl. Państw. Inst. Nauk. Gosp. Wiejsk. Bydgoszcyz (464.9B99)
Garbowski, L.
Choroby virusowe ziemniaków w okresie 1928-1932 r. (Les maladies à virus des pommes de terre pendant la période 1928-1932). Prace Wydz. Chor. Tośl. Państw. Inst. Nauk. Gosp. Wiejsk. Bydgoszczy 13: 1-136. 24 pl. 1933.
French résumé: p.129.

Prace Wydz. Chor. Rośl. Państw. Inst. Nauk. Gosp. Wiejsk. Bydgoszczy (cont.)

Szymański, W.

Studja biochemiczne nad porazeniem ziemnaików grzybkiem raka ziemniaczanego. (Etude biochimique sur la contamination des pommes de terre par la galle verruqueuse, Synchytrium endobioticum (Schilb.) Perc.) Prace Wydz. Chor. Rośl. Państw. Inst. Nauk. Gosp. Wiejsk. Bydgoszczy 13: 141-162. 1933.

French résumé: p. 160.

Proc. Amer. Wood Preserv. Assoc. (300.9Am3)

Richards, C. A.

Decay in buildings. Proc. Amer. Wood Preserv. Assoc. 29(1933): 389-398. illus. 1933.

Schmitz, H.

The toxicity to wood-destroying fungi of coal-tar creosote, petroleum and coal-tar creosote, coal tar mixtures. Proc. Amer. Wood Preserv. Assoc. 29(1933): 125-140. illus. 1933.

Schrenk, H. V.

Significance of toxicity determinations from a practical standpoint. Proc. Amer. Wood Preserv. Assoc. 29(1933): 130-164. 1933.

Proc. Imp. Acad. Tokyo (513T576)

Nakamori, E.

On the occurrence of the tetraploid plant of rice, Oryza sativa L. Proc. Imp. Acad. Tokyo 9: 340-341. illus. Jl. 1933. no.7.

Proc. Nat. Pecan Assoc. (94.69N21)

Alben, A. O., Cole, J. R. & Lewis, R. D.

New developments in treating pecan rosette with chemicals. Proc. Nat. Pecan Assoc. 31 (1932): 71-76. [1933]

Baker, H. & Cole, J. R.

Prepollination spraying of pecans for insects and diseases. Proc. Nat. Pecan Assoc. 31(1932): 55-58. [1933]

Proc. Nat. Pecan Assoc. (cont.)

Cole, J. R.
Control of foliage diseases of pecans in Louisiana. Proc. Nat. Pecan Assoc. 31(1932): 58-62. [1933]

Kislanko, J. P.
Dusting with monohydrated copper-lime dust for the control of pecan scab on a commercial scale. Proc. Nat. Pecan Assoc. 31(1932): 65-70. [1933]

Ryerson, K. A.
Foreign plant introduction with special reference to the nut grower. Proc. Nat. Pecan Assoc. 31(1932): 24-28. [1933]

Smith, C. L. & Romberg, L. D.
Pollination control, period of receptivity, and pollen viability in the pecan. Proc. Nat. Pecan Assoc. 31(1932): 83-87. illus. [1933]

Proc. Roy. Soc. Ser. B. (London) (501L84B)

Stiles, W. & Leach, W.
Researches on plant respiration. II. Variations in the respiratory quotient during germination of seeds with different food reserves. Proc. Roy. Soc. Ser. B, 113: 405-428. S.1, 1933. no.B784.

Storey, H. H.
Investigations of the mechanism of the transmission of plant viruses by insect vectors. I. Proc. Roy. Soc. Ser. B, 113: 463-485. illus., pl.12. S.1, 1933. no.B784.

Queensl. Agr. Journ. (Brisbane) (23Q33)

Rudd, J. A. & White, C. T.
A plant poisonous to live stock (Cestrum parqui) Queensl. Agr. Journ. 40: 143-144. illus. Ag. 1933. no.2.

Simmonds, J. H.
Squirter disease of bananas. Queensl. Agr. Journ. 40: 98-115. illus. Ag.1933. no.2.
Caused by Nigrospora sphaerica.

Rep. Advis. Dépt. Harper-Adams Agr. Coll. (Newport, Engl.)
(103H232)

Preston, N. C.
Report of the advisory mycologist Apr.1932-Mar. 1933. Rep. Advis. Dept. Harper-Adams Agr. Coll. 8: 4-6. My.1933.

Rep. Date Grow. Inst. Coachella Valley, Calif. (81D26)

Albert, D. W. & Hilgemen, R. H.
Study of bud growth in the date palm. Rep. Date Grow. Inst. Coachella Valley, Calif. 9: 5-6 1932.

Bliss, D. E.
Symptoms of decline disease. Rep. Date Grow. Inst. Coachella Valley, Calif. 10: 10. 1933.

Nixon, R. W.
Observations on the occurrence of blacknose. Rep. Date Grow. Inst. Coachella Valley, Calif. 9: 3-4. 1932.

Rev. Agr. Oper. India (22Ag82A)

Imperial Council of agricultural research
Plant diseases [India] In its Rev. Agr. Oper. India 1929/30 & 30/31: 154-163. 1933.

Rev. Hort. (Paris) (80R32)

Chevalier, Ch.
Les fleurs doubles. Rev. Hort. 105: 473-474. Ag.16, 1933. no.20.

Chevalier, Ch.
Quelques bégonias du groupe Metallica. Rev. Hort. 105:450-451. Jl.16, 1933. no.19.

Jahandiez, E.
Les plantes grasses autres que les cactées. Les agave. (cont.) Rev. Hort. 105: 447-449, 475-476. illus. Jl.16, Ag.16, 1933. no.19,20.

Jarry-Desloges, R.
Anona cherimolia. Sa culture sur la cote d'Azur. Rev. Hort. 105: 463-465. illus. Ag.16, 1933. no.20.

Rev. Hort. (cont.)

Meunissier, A.
Les hémérocalles. Rev. Hort. 105: 443-444. col.pl. Jl.16, 1933. no.19.

Miedzyrzecki, Ch.
La formation des bourgeons floraux chez les arbres fruitiers. Rev. Hort. 105: 441-443. Jl.16, 1933. no.19.

Rhodesia Agr. Journ. (Salisbury) (24R34)

Christian, H. B.
Notes on African aloes. XI. Rhodesia Agr. Journ. 30: 659-661. 3 pl. Ag. 1933. no.8.

Ricerche Osserv. e Divulg. Fitopat. Camp. ed Mezzog. R. Osserv. Reg. Fitopat. Portici (464.9P832)

Cristinzio, M.
La disinfezione dei semenzai. Ricerche Osserv. e Divulg. Fitopat. Camp. ed Mezzog. R. Osserv. Reg. Fitopat. Portici 2: 45-54. 1933.

Cristinzio, M.
Osservazioni su di una malattia del pesco. Ricerche Osserv. e Divulg. Fitopat. Camp. ed Mezzog. R. Osserv. Reg. Fitopat. Portici 2: 28-44. illus. 1933.
Cytospora.

Riccardo, S.
La cancrena secca delle patate per fusariosi in Provincia di Napoli. Ricerche Osserv. e Divulg. Fitopat. Camp. ed Mezzog. R. Osserv. Reg. Fitopat. Portici 2: 3-16. illus., pl. i-ii. 1933.
F. oxysporum.

Trotter, A.
Contributi alla patologia del nocciuolo. I. Il seccume dei fusti da Cytospora. Ricerche Osserv. e Divulg. Fitopat. Camp. ed Mezzog. R. Osserv. Reg. Fitopat. Portici 2: 17-27. illus. 1933.

Science (470Sci2)

Conard, H. S.
Units of plant sociology. Science 78: 237-238. S.15, 1933. no.2020.

Science (cont.)

Gleason, H. A.

On concepts in phytosociology. Science 78: 238-239. S.15, 1933. no.2020.

Horn, E.

Courses in the literature of botany. Science 78: 212-213. S.8, 1933. no.2019.

Miss Elizabeth H. Smith... Science 78: 234. S.15, 1933. no.2020.

Killed in traffic accident, Aug.21.

Scient. Agr. (ottawa) (7Sci2)

Johnson, I. J.

The physiological effect of low temperature on the biennial growth habit of sweet clover (Melilotus alba). Scient. Agr. 13: 746-748. illus. Ag. 1933. no.12.

Sci. Bull. Dept. Agr. So. Africa (24So84S)

Henrici, M.

An investigation of the content of phosphorus, calcium and protein of grasses in the coastal region of Natal and southern Zuzuland. Sci. Bull. Dept. Agr. So. Africa no.115. 30 p. illus., tab. 1932.

Moore, E. S.

The kromnek or Kat River disease of tobacco and tomato in the East Province (South Africa) Sci. Bull. Dept. Agr. So. Africa 123. 28 p. viii pl. on 4. My.1933.

The tobacco disease is a virus transmitted by Frankiniella sp.; the tomato is also a virus and may be identical with spotted wilt.

Science News Letter (470Sci24)

Elm disease entered America under bark of veneer logs. Science News Letter 24: 179. S.16, 1933. no.649.

Beetles that carry destructive fungus detected in shipments arriving at several Atlantic ports.

Report of R. Kent Beattie to Shade Tree conference.

Pollen proteins cause of hay fever. Science News Letter 24: 200. S.23, 1933. no.650.

Report of experiments of Dr. Marjorie B. Moore of the Abbott Laboratories and Dr. Leon Unger of Northwestern University Medical School.

Soil Sci. (Baltimore) (56.8So3)

Pierre, W. H. & Stuart, A. D.

Soluble aluminum studies IV. The effects of phosphorus in reducing the detrimental effects of soil acidity on plant growth. Soil Sci. 36: 211-225. S. 1933. no.3.

Sprague, H. B.

Root development of perennial grasses and its relation to soil conditions. Soil Sci. 36: 189-209. S. 1933. no.3.

La Terre Maroc. (Rabat) (24T44)

Miège, E.

Les plantes fourragères du Maroc. (cont.) La Terre Maroc. 3(39): 2-18. illus. S.1, 1933.

Trudy Prikl. Bot., Gen. i Selek. Ser. III, Fiz., Biokhim. Fiz., Biokhim. i Anat. Rast. (Bull. Appl. Bot., Gen. & Plant-breed. III. Ser., Phys., Biochem. & Anat. Plants) (451R92P)

Arasimovich, V. V.

Biolhimicheskoe izuchenie tykvy (Biochemical study of Cucurbita). Trudy Prikl. Bot., Gen. i Selek. Ser. III, Fiz., Biokhim, i Anat. Rast. (Bull. Appl. Bot., Gen. & Plant-breed. III. Ser., Phys. Biochem. & Anat. Plants) 1: 73-101. 1933.

Russian with English summary. Cucurbita maxima, pepo & mixta.

Bordakov, P. P.

Teoriia korreliatsii v primenenii k selektsii soi (The theory of correlation as applied to the breeding of the soybean). Trudy Prikl. Bot., Gen. i Selek. Ser. III, Fiz., Biokhim. i Anat. Rast. (Bull. Appl. Bot., Gen. & Plant-breed. III. Ser., Phys., Biochem. & Anat. Plants) 1: 195-225. 1933.

Russian with English summary.

Vinogradov. V. A.

O Khimicheskom sostave semian sosny i zheludeĭ duba razlichnogo geograficheskogo proiskhozhdeniia (On the chemical composition of the seeds of the pine and the acorns of the oak of different geographical origin). Trudy Prikl. Bot., Gen. i Selek. Ser. III, Fiz., Biokhim. i Anat. Rast. (Bull. Appl. Bot., Gen. & Plant-breed. III. Ser., Phys., Biochem. & Anat. Plants) 1: 183-194. 1933.

Russian with English summary.

U.S. Dept. Agr. Plant Dis. Rep. (1.9P69P)

Cottam, C.
Recent observations on eel grass conditions. U.S. Dept. Agr. Plant Dis. Rep. 17: 119-120, 142-144. Ag.15, S.15, 1933. no.10,11.

Gravatt, G. F. & Fowler, M. E.
Log interceptions at Norfolk in relation to the entry of tree diseases. U.S. Dept. Agr. Plant Dis. Rep. 17: 129-133. 2 pl., map. S.15,1933. no.11.

Groves, A. B.
The fruit disease situation in northern Virginia for 1933. U.S. Dept. Agr. Plant Dis. Rep. 17: 134-137. S.15, 1933. no.11.

Stevens, N. E.
Spread and severity of the Dutch elm disease in Europe. U.S. Dept. Agr. Plant Dis. Rep. 17: 117-118. Ag.15, 1933. no.10.

White, R. P., May, C. & Beattie, R. K.
The Dutch elm disease in New Jersey and New York. U.S. Dept. Agr. Plant Dis. Rep. 17: 115-117. illus. (map) Ag.15, 1933. no.10.

Univ. Calif. Publ. Bot. (Berkeley) (500C125B)

Martelli, U.
Pandanaceae of Rorotanga. Univ. Calif. Publ. Bot. 17: 171-178. pl.22-25. S.8, 1933. no.8.

Martelli, U.
Pandanaceae of Tahiti. Univ. Calif. Publ. Bot. 17: 149-158. pl.16-21. S.8, 1933. no.7.

Verh. Naturf. Ver. Brünn)510B83)

Bojanovsky, R.
Ein Actinomyces oligocarbophilus-stamm von hoher eisenbeständigkeit. Verh. Naturf. Ver. Brünn 64: 50-55. 1933.

Cernik, L. F.
Krankheiten und teratologische missbildungen an pflanzen der Olmützer flora. V. Verh. Naturf. Ver. Brünn 64: 56-76. illus. 1933.

Verh. Naturf. Ver. Brünn. (Cont,)
Fröhlich, A.
Ueber das vorkommen einiger pflanzen in S-Mähren. Verh. Naturf. Ver. Brünn 64: 32-33. 1933.

Hruby, J.
Beiträge zur pilzflora Mährens und Schlesiens. 3. Verh. Naturf. Ver. Brünn. 64: 34-49. 1933.

Vict. Nat. (Melbourne) (410V66)
Daley, C.
Geographical factors affecting the flora of East Gippsland. Vict. Nat. 50: 79-85. Ag. 1933. no.4.

Nicholls, W. H.
A new species of the genus Pterostylis R. Br. Vict. Nat. 50: 89-91. illus. Ag. 1933. no.4.
Pterostylis hamiltonii.

Yearbk. Hort. Soc. N.Y. (81N482Y)
O'Leary, D. K.
Report of the lily disease investigation fellowship, 1932. Yearbk. Hort. Soc. N. Y. 1932: 27-33. 1933.

Zentralbl. Bakt. Abt.II. (Jena) (488.3C33)
Meissel, M. N.
Wirkung der cyansalze auf die entwicklung der hefe. Zentralbl. Bakt. Abt. II. 88: 449-459. illus. Ag.24, 1933. no.23/24.

Stapp, C.
Die weissfäule der hyazinthen. Zentralbl. Bakt. Abt. II 88: 359-474. illus. Ag.24, 1933. no.23/24.

Exp. Stat. Publ.
Michigan agricultural experiment station.
Spraying calendar. Its Spec. Bull. 174. (rev.) 47 p. Ja. 1933 (Rec'd Sep.) (100M58S)
By W.C. Dutton, R. Huston & D. Cation.

State Publications.
Jones, L. K. & Hanson, A. J.
Control of small fruit diseases and insect pests. Ext. Bull. State Coll. Washington no.180 10 p. My.1933 (Rec'd Sep.) (275.29W27P)

New Books.

Bertsch, K. & Bertsch, F.
Flora von Württemberg und Hohenzollern
München, J. F. Lehmanns verlag, 1933. (459.3B462)

Goebel, K.
Organographie de pflanzen insbesondere der archegoniaten und samenpflanzen. Ed. 3, t.3, 2. halfte
Jena, G. Fischer, 1933. (463.4G530)

Jacobsen, H. P.
Fungus diseases, a clinico-mycological text. Springfield, Ill., Baltimore, Md.,
C.C. Thomas, 1932. (448J15)

Kravtsev, B. I.
Gribnye sibirskoi pikhty. [Fungus diseases of fir trees in Siberia] Omsk, 1933. illus. 22.5cm.
(464.07K86)
Russian.

Lecomte, H. & Humbert, H.
Flore générale de l'Indo-chine. v.3, f.9; v. 6, f.3. Paris, Masson et cie., Ap., Je.1933.
Apocynacées, par J. Pitard; orchidacées (suite) par F. Gagnepain & A. Guillaumin (460.13L49)

Lee, J. R.
The flora of the Clyde area... Glasgow,
J. Smith & son, 1933. (458L51)

Merkenschlager, F. & Klinkowski, M.
Pflanzliche konstitutionslehre dargestellt an kulturpflanzen. Berlin, P. Parey, 1933. (64M54)

Redmond, P. J.
A flora of Worcester County, Maryland.
Washington, 1932 (Cont. Biol. Lab. Catholic Univ. Amer. no.11) (455.28R24)

Tschirch, A.
Handbuch der pharmakognosie. 2. erweit. aufl. in gemeinschaft mit azhlreichen fachgenossen.
lfg. 14. Leipzig, B. Tauchnitz, 1933. (396.T78H)

Schmidt, A.
Atlas der diatomaceenkunde. h.96. Leipzig,
O.R. Reisland, Je. 1933. (461.44Sch5A)

Reprinted from publications not yet rec'd or not available.

Arnaud, G.

Les astérinées VI. Champignons astérinoides de l'Herbier du Muséum. Reprinted from Recueil de travaux cryptogamiques dédiés à Louis Mangin. Paris. Sep.1931. 8 p. illus., pl (462Ar6)

Guilliermond, A.

Sur le genre Zygosaccharomycodes créé récemment par M. Nishiwaki et quelques remarques sur la conjugaison des ascospores chez les levures. Reprinted from Recueil des travaux cryptogamiques dédiés a Louis Mangin. Paris, S. 1931. 23 p. illus.

Correction.

v.15, no.15, p.g.

Bull. Agr. & Hort. Belg.

Author of 2d entry should be Journée, F.

BOTANY

CURRENT LITERATURE

LIBRARY
RECEIVED
★ OCT 23 1933 ★
U. S. Department of Agriculture

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D.C.

Vol. 15, no. 20. Sept.25/Oct.7,1933.

Acta Horti Gothoburg. (451G712)

Blom, C.
Bidrag till kännedomen om sveriges adventivflora. II. Acta Horti Gothoburg. 8: 169-188. 1933.

Borgvall, T.
Växtgeografiska bidrag från västkustlandskapen. 2. Acta Horti Gothoburg. 8: 119-125. 1933.

Fries, H.
Bidrag till kännedomen om floran i Göteborgs och Bohus län. 7. Acta Horti Gothoburg. 8: 103-110. 1933.

Magnusson, A. H.
Gedanken über flechtensystematik und ihre methoden. Acta Horti Gothoburg. 8: 49-76. 1933.

Magnusson, A. H.
A monograph of the lichen genus Ionaspis. Acta Horti Gothoburg. 8: 1-47. 1933.
I. reducta, I. annularis n.spp., I.spitsbergensis (ad int.)

Plantae sinensis, a Dre. H. Smith annis 1921-22 et 1924 lectae. XXV, XXVI. Acta Horti Gothoburg. 8: 77-81, 127-146. pl.i-iii. 1933.
XXV. Compositae. by Joh. Mattfeld. XXVI. Orobanchaceae. by H. Smith.

Skottsberg, C.
Additional notes on Pipturus. Acta Horti Gothoburg. 8: 111-118. illus. 1933.
Pseudopipturus n.gen.

Skottsberg, C.
Myoporum in Rarotonga. Acta Horti Gothoburg. 8: 147-167. illus. 1933.
M. wilderi n.sp.

Skottsberg, C.
Vaccinium cereum (L. fil.) Forst. and related species. Acta Horti Gothoburg. 8: 83-102. illus. 1933.
V. rapae n.sp.

Acta Horti Gothoburg. (cont.)
Sterner, R.
Vegetation och flora i Kalmarsunds skärgård. Acta Horti Gothoburg. 8: 189-280. illus., fold. tab. 1933.

Admin. Rep. Dept. Agr. Ceylon (22.5C33R)
Park, M.
Report on the work of the mycological division. Admin. Rep. Dir. Agr. Ceylon 1932: D 116-D 122. 1933.

Agricultural History (30.98Ag8)
Ryerson, K. A.
History and significance of the foreign plant introduction work of the United States department of agriculture. Agricultural History 7: 110-128. Jl. 1933. no.3.

Agr. et Elev. Congo Belge. (26Ag84)
La maladie de la pomme de terre. Un nouveau remède contre le Phytophtora. Agr.et Elev. Congo Belge 7: 137. S. 1933. no.10.
Products in which copper is most active: la bouillie bordelaise, la bouillie bourguignonne et le nospérit.

Soyer, D.
Le probleme de la dèsinfection des graines de cotonnier au Congo Belge. Agr. et Elev. Congo Belge 7: 130-132. S. 1933. no.10.

Sternon, F.
Quelques considerations sur la culture des plantes medicinales au Congo Belge. Agr. et Elev. Congo Belge 7: 132-135. S. 1933. no.10.
Les quinquinas, les espèces chaulmoogriques, les kolas, les Strophantus.

Agron. Colon. (Paris) (26Ag812)
Ledreux, A.
La culture des caféiers à Madagascar. (cont.) Agron. Colon. 22(2): 33-41. Ag. 1933. no.188.

Alpe Riv. For. Ital. (Piacenza) (99.8A17)
Flaccomio, E.
La coltura del pistacchio in Sicilia. Alpe Riv. For. Ital. 20: 339-342. illus. Ag./S. 1933. no.8/9.

Alpe, Riv. For. Ital. (cont.)

Passavalli, L. P.
Recenti vedute ed esperienze di lotta contro il Rhytisma acerinum (Pers.) Fr. Alpe Riv. For. Ital. 20: 319-326. illus. Ag./S. 1933. no.8/9.

Amer. Journ. Bot. (450Am36)

Cockayne, L.
A case of epharmony in a New Zealand Rubus. Amer. Journ. Bot. 20: 545-551. illus. O. 1933. no.8.
R. cissoides.

Copeland, H. F.
The development of seeds in certain Ericales. Amer. Journ. Bot. 20: 513-517. illus. O. 1933. no.8.

Hitchcock, C. L.
A taxonomic study of the genus Nama. II. Amer. Journ. Bot. 20: 518-534. O. 1933. no.8.

Linder, D. H.
The genus Schizophyllum. I. Species of the Western Hemisphere. Amer. Journ. Bot. 20: 552-564. illus., pl.33-36. O. 1933. no.8.

Skutch, A. F.
The aquatic flowers of a terrestrial plant. Heliconia bihai L. Amer. Journ. Bot. 20: 535-544. illus. O. 1933. no.8.

Anales Soc. Cient. Agr. (Buenos Aires) (516So1)

Molfino, J. F.
Professor Augusto C. Scala (1880-1933). Anales Soc. Cient. Agr. 116: 79-83. 1933. no.2.
Nómina de los trabajos publicados por el profesor Augusto C. Scala: p.81-83.

Angew. Bot. (Berlin) (450An4)

Bockmann, H.
Die schwärzepilze des getreides unter besonderer berücksichtigung ihrer pathogenität und des vorkommens von rassen innerhalb der gattungen Cladosporium Link und Alternaria Nees. (cont.) Angew. Bot. 15: 329-385. illus. Jl./Ag. 1933. no.4.

Flerov, B. C. & Popov, C. A.
Methode zur untersuchung der wirkung von antiseptischen mitteln auf holzzerstörende pilze. Angew. Bot. 15: 386-406. illus. Jl./Ag. 1933. no.4.

Angew. Chem. (384Z33)

Hessenland, M., Fromm, F. & Saalmann, L.

Die wirkung von chlorat, bromat und jodat auf pflanzenwuchs. Angew. Chem. 46: 577-579. S.9,1933. no.36.

Ann.Jard. Bot. Buitenzorg. (89B36A)

Bouillenne, R. & Went, F. W.

Recherches expérimentales sur la néoformation des racines dans les plantules et les boutures des plantes supérieures. (Substances formatrices de racines). Ann. Jard. Bot. Buitenzorg 43: 25-202. illus., pl. iii-xxiv. 1933.

I. Néoformation de racines sur hypocotyles chez les plantulos de Impatiens balsamina. Par Ray Bouillenne. II. Néoformation de racines sur tiges d'Acalypha. Par F. Went. III. Discussion des résultats obtenus dans les expériences de néoformation radiculaire chez Impatiens balsamina et Acalypha.

Went, F. W.

Durch reizung hervorgerufene abstossung der blumenkrone einiger Stachytarpheta-arten (traumatochorismus). Ann. Jard. Bot. Buitenzorg 43: 1-24. illus., pl.i-ii. 1933.

Ann. R. Ist. Sup. Agr. Portici (105.4P83)

Borntraeger, A.

Degli acidi organici nei pomidoro. Ann. R. Ist. Sup. Agr. Portici III,5: 72-119. 1932.

Lycopersicum pyriforme mucronatum.

Trotter, A.

Identificazione di un tronco d'albero carbonizatto rinvenuto nei recenti scavi di Ercolano. Ann. R. Ist. Sup. Agr. Portici III, 5: 1-6. ii pl. 1932.

Pirus communis.

Trotter, A.

Rilievi ecologici intorno alla flora ed alla vegetazione della salina di S. Giorgio presso Taranto. Ann. R. Ist. Sup. Agr. Portici III, 5: 120-135. illus. (map), ii pl. 1932.

Ann. Rep. Dept. Plant Path. Seale-Hayne Agr. Coll. (Newton Abbott) (103Sel)

Beaumont, A.

Finger and toe. Ann. Rep. Dept. Plant Path. Seale-Hayne Agr. Coll. 9(1931/32, its Pamph.40): 33-41. 1933.

Ann. Rep. Dept. Plant Path. Seale-Hayne Agr. Coll. (cont.)

Beaumont, A.
Fungal diseases of Devon and Cornwall. Ann. Rept. Dept. Plant Path. Seale-Hayne Agr. Coll. 9(1931/32, its Pamph.40): 42-43. 1933.

Beaumont, A.
Notes on fungal diseases during the year. Ann. Rep. Dept.Plant Path. Seale-Hayne Agr. Coll. 9(1931/32, its Pamph.40): 19-25. 1933.

Beaumont, A.
Potato blight and the weather. Ann. Rep. Dept. Plant Path. Seale-Hayne Agr. Coll. 9(1931/32, its Pamph.40): 26-32. 1933.

Staniland, L. N.
Notes on unusual eelworm attacks on narcissus (var. soleil d'or). Ann. Rep. Dept. Plant Path. Seale-Hayne Agr. Coll. 9(1931/32, its Pamph.40): 5-7. illus. 1933.
Anguillulina (Tylenchus) dipsaci.

Ann. Rep. Rubber Res. Scheme Ceylon (78.9C33R)

Murray, R. K. S.
Mycologist's report for 1932. Ann. Rep. Rubber Res. Scheme Ceylon 11: 18-21. Mr. 1933.

Ann. Rep. So. Dakota Hort. Soc. (81So86)

Vance, R. W.
Sterility, pollen and blossoming dates of South Dakota plums. Ann. Rep. So. Dakota Hort. Soc. 29(1931/32): 25-37. [1933?]
The result of work done during the spring and summer of 1926.

Arch. Protistenk. (Jena) (439.8Ar2)

Böhm, A.
Beobachtungen an adriatischen Peridinium-arten. Arch. Protistenk. 80: 303-320. illus. 1933. no.2.

Böhm, A.
Neue peridineen aus der Adria. Arch. Protistenk. 80: 351-354. illus. 1933. no.2.
Thaumatodinium gen.nov. (T. molischi)

Arch. Protistenk. (cont.)
Cholnoky, V.v.
Beiträge zur kenntnis der karyologie der diatomeen. Arch. Protistenk. 80: 321-348. illus. 1933. no.2.

Cook, W. R. I.
A monograph of the Plasmodiophorales. Arch. Protistenk. 80: 179-254. illus., pl.5-11. 1933. no.2.

Arch. Rubbercult. Nederl.-Indië. (Batavia, Java) (78.8Ar2)
Jong, W.H.de.
Het parasitismus van Rigidoporus microporus (Swartz) van Overeem, syn: Fomes lignosus Klotzsch, bij Hevea brasiliensis. (Parasitism of Rigidoporus microporus (Swartz) van Overeem, syn. Fomes lignosus Klotzsch, in Hevea brasiliensis). Arch. Rubbercult. Nederl.-Indie 17: 83-104. Ap./Je. 1933. no.4/6.
English summary: p.101-104.

Ber. Naturforsch. Ges. Freiburg (509F88B)
Zimmermann, W.
Eine alte badische flora (1594) Ber. Naturforsch. Ges. Freiburg 32: 8-14. Je. 1933. no.1.
J.J. Han's "Kreitterbuoch"

Better Fruit (Portland, Ore.) (80B46)
Shamel, A. D., Pomeroy, C. S. & Bregger, J. T.
Apple bud variations. Better Fruit 28(3): 6, 12. S. 1933.

Biol. Gen. (Vienna) (442.8B525)
Himmelbaur, W. & Stibal, E.
Entwicklungsrichtungen in der blütenregion der gattung Salvia L. II. Biol. Gen. 9: 129-150. pl.viii-ix. 1933. no.3.

Pohl, H.
Ueber die ursache des blauglanzes an den blättern von Selaginella laevigata Spring. Biol. Gen. 9: 223-238. illus., pl.xii-xiii. 1933. no.3.

Porsch, O.
Der vogel als blumenbestäuber. Biol. Gen. 9: 239-252. 1933. no.3.

Biol. Gen. (cont.)
Schnarf, K.
Die bedeutung der embryologischen forschung für das natürliche system der pflanzen. Biol. Gen. 9: 271-288. pl.xv. 1933. no.3.

Wasicky, R., Brandner, D. & Hauke, C.
Beiträge zur erforschung der hormonwirkungen. Biol. Gen. 9: 331-350. illus., pl.xvi-xviii. 1933. no.3.

Blumen u. Pflanzenb. (Berlin) (80B623)
Gante, Th.
Der erikenrost. Blumen u. Pflanzenb. 48: 137. S. 1933. no.9.
Control of Uredo ericae.

Schultz, H.
Aelchen an studenphlox. Blumen u. Pflanzenb. 48: 136-137. S.1933. no.9.
Tylenchus dipsaci.

Bull. Dept. Agr. Canada (Ottawa) (7C16B)
Brittain, W. H.
Apple pollination studies in the Annapolis valley, N. S., Canada, 1928-1932. Bull. Dept. Agr. Canada 162. 198 p. illus. My. 1933.

Bull. Div. Path. Bur. Sugar Exp. Stat. Queensland (464.9Q32)
Mungomery, R. W. & Bell, A. F.
Fiji disease of sugar-cane and its transmission Bull. Div. Path. Bur. Sugar Exp. Stat. Queensl. no.4. 28 p. illus. 1933.
Transmittal by sugar-cane leaf-hopper (Perkinsiella saccharicida)

Bull. Fan Mem. Inst. Biol. (442.9F21)
Tang, Y.
Timber studies of Chinese trees IV. Anatomical studies and identification of Chinese softwoods. I. Bull. Fan Mem. Inst. Biol. 4: 309-364. ix pl., tables. Mr.16, 1933. no.7.

Bull. Gard. Club Amer. (81G16)
Hunt, R. McM. M.
William Penn, horticulturist. Bull. Gard. Club Amer. 5(5): 6-16. S. 1933.

Bull. Inst. Roy. Colon. Belge. (Bruxelles) (504B836)
Leplae, E.
Enquête sur divers essais de culture de quinquinas exécutés dans le Bas-Congo. Bull. Inst. Roy. Colon. Belge 4: 498-509. 1933. no.2.

Staner, P.
Identification de la plante "efiri". Bull. Inst. Roy. Colon. Belge 4: 429-431. 1933. no.2.
Triclisia gilletii (Tilicora)

Wildeman, E. de.
Quelques considérations sur les résines dénommées copals. Bull. Inst. Roy. Colon. Belge 4: 478-497. 1933. no.2.

Bull. Pop. Inform. Arnold Arb. (99.9Ar6B)
Anderson, E.
Pterocarya rehderiana. Bull. Pop. Inform. Arnold Arb. Ser.4, 1: 57-60. illus. S.30, 1933. no.11.

Bull. School For. & Conserv. Univ. Michigan (99.9M583)
Baxter, D. V.
Observations on forest pathology as a part of forestry in Europe. Bull. School For. & Conserv. Univ. Michigan no.2. 39 p. illus., viii pl. on 4. 1933.

Bull. Soc. Centr. For. Belgique (99.9B83)
Delevoy, G.
L'emploi du chlorate de soude comme herbicide. (cont.) Bull. Soc. Centr. For. Belgique 36(ann. 40): 339-353. Ag. 1933. no.8.

Bull. Torr. Club. (451T63B)
Arthur, J. C.
New genera and species of Uredinales. Bull. Torr. Club 60: 475-476. O. 1933. no.7.
Cumminsiella nov.gen. (C. sanguinea (Uromyces) Uraecium nov.form.gen. (U. holwayi (Uredo); Uredo tacita, Aecidium hesleri.

Bunzell, H. H. & Kenyon, M. B.
On potato catalase. Bull. Torr. Club 60: 469-474. O. 1933. no.7.

Bull. Torr. Club (cont.)

Howe, M. A.
A blue-green alga of carbonated mineral water. Bull. Torr. Club 60: 465-468. pl.24-25. O. 1933. no.7.
Phormidium demingii.

Trelease, W.
A new Piper from British Guiana. Bull. Torr. Club 60: 477. O. 1933. no.7.
P. grahami.

Wodehouse, R. P.
Tertiary pollen. II. The oil shales of the Eocene Green river formation. Bull. Torr. Club. 60: 479-524. illus. O. 1933. no.7.

Cactus & Succ. Journ. (Los Angeles) (451C11)

Backeberg, C.
Species of Oreocereus. Cactus & Succ. Journ. 5: 438. S.1933. no.3.
Translation by James West.

Baxter, E.M.
Opuntia bravoana n.sp. Cactus & Succ. Journ. 5: 436-437. illus. S. 1933. no.3.

Marshall, W. T.
Baja California cacti. Cactus & Succ. Journ. 5: 439-440. illus. S. 1933. no.3.

Schlange, K.
Lemaireocereus beneckei (Ehrenberg) Br. & R. Cactus & Succ. Journ. 5: 435. illus. S.1933. no.3.

Smith, A.
What grows where. Cacti listed in accordance with their geographical origin. Compiled and copyrighted for Mrs. John D. Wright, Santa Barbara, Calif., 1933. (cont.) Cactus & Succ.Journ. 5: 445-447. S. 1933. no.3.

Weinberg, F.
Aztekium ritterii Boed. Cactus & Succ. Journ. 5: 444. illus. S. 1933. no.3.

Calif. Citrogr. (Los Angeles) (80C125)
Fawcett, H. S.
New information on psorosis or scaly bark of citrus. Calif. Citrogr. 18: 326. O. 1933. no.12.

A new symptom associated with the disease, a mosaic-like spotting or stippling of young leaves, suggests that disease is due in part or entirely to a virus.

Citrus Publ. Riversie Chamb. Comm. (99.33R52)
Shamel, A. D. & Pomeroy, C. S.
The Washington navel orange. Citrus Publ. Riverside Chamb. Comm. no.3. 32 p. illus. My.5, 1933.

Commun. Hort. Inst. Taihoku Imp. Univ. (87T13C)
Tanaka, T.
Botanical studies of Yu and Ch'u mentioned in the Chinese herbals. Commun. Hort. Inst. Taihoku Imp. Univ. no.32 (Reprinted from Honzo F.1933. p.195-210)

Yu in old Chinese writings, the Yuzu, Citrus junos, later came to mean shaddock (C.grandis), ch'u includes various small fruited loose skin oranges.

Japanese with English summary.

Tanaka, T.
A discussion on the western herbal. Commun. Hort. Inst. Taihoku Imp. Univ. no.27 (Reprinted from Honzo Ag.1932, p.142-155)

Japanese with English summary.

Tanaka, T.
On the centre of origin of cultivated plants with special reference to citrus. Commun. Hort. Inst. Taihoku Imp. Univ. no.20(Reprinted from Proc. Japan. Assoc. Advanc. Sci. 7: 391-398. illus. (maps) S.1932.)

Japanese with English summary.

Tanaka, T.
Problem of species with reference to Citrus. Commun. Hort.Inst. Taihoku Imp. Univ. no.30. (Reprinted from Agr. & Hort. 8: 707-720. Mr. 1933.

Japanese with English summary.

Compt. Rend. Acad. Sci. Paris (505P21)
Corsin, P.
La flore dévonienne de caffiers (Bas-Boulonnais) Compt. Rend. Acad. Sci. Paris 197: 600-602. S.11, 1933. no.11.

Compt. Rend. Soc. Phys. & Hist. Nat. Genève (508G28C)
Chodat, F.
Génétique des fraisiers. 5. Hérédité du sexe. Compt. Rend. Soc. Phys. & Hist. Nat. Genève 50: 158-162. Ap./Jl. 1933. no.2.

Chodat, F. & Junquera, M.
Les H_2 donateurs endocellulaires de la levure et leur variation en fonction de l'áge des cultures. Compt. Rend. Soc. Phys. & Hist. Nat. Genêve 50: 199-203. Ap./Jl. 1933. no.2.

Schopfer, W. H.
Recherches biométriques sur l'inflorescence de Primula veris (L.) Huds. Compt. Rend. Soc. Phys. & Hist. Nat. Genève 50: 149-152. Ap./Jl. 1933. no.2.

Country Life (London) (80C83)
Taylor, G. C.
The Edinburgh botanic garden. Country Life 74: 306-311. illus. S.23, 1933. no.1914.

Dansk Skovforen. Tidsskr. (København) (99.8D23)
Jørgensen, C. A. & Ferdinandsen, C.
Destruktionsfaenomener i bøgetrae, foraarsaget Hypoxylon coccineum Bull. Dansk Skovforen. Tidsskr. 1933: 389-402. illus. S. 1933. no.9.

Møller, C. M.
Frederik Anton Weis. 28/11, 1871 - 12/7,1933. Dansk Skovforen. Tidsskr. 1933: 437-441. port. S. 1933. no.9.

Deut. Landw. Presse (Berlin) (18D482)
Schmidt,
Die zuchtung phytophthora-widerstandfähiger kartoffeln. Deut. Landw. Presse 60: 485-486. illus. S.23, 1933. no.38.

Seifert, E.
Weisshosigkeit (Rhizoctonia) bei kartoffeln. Deut.Landw. Presse 60: 486. S.23, 1933. no.38.

Ecol. Monogr. (Durham) (410Ec72)
Oosting, H. J.
Physical-chemical variables in a Minnesota lake. Ecol. Monogr. 3: 495-533. illus.(map) O. 1933. no.4.
Ham Lake, in Anoka Co.

Ernähr. Pflanze (Berlin) (57.8Er6)
Stremme, H. & Schroedter, E.
Die jahreszeitliche bewegung der wasserlöslichen pflanzennährstoffe in den boden. Ernähr. Pflanze 29: 333-338. S.15, 1933. no.18.

Vogel, F.
Ueber die bedeutung der nährstoffe und des kali-stickstoffverhältnisses bei der stachelbeere. Ernähr. Pflanze 29: 339-346. illus. S.15, 1933. no.18.
Vorläufige mitteilung.

Extracts Bull. Imp. For. Exp. Stat. Japan. (99.8R47E)
Fujioka, M.
On the fluorescence of the infusion of woods. Extracts Bull. Imp. For. Exp. Stat. Japan 2(1915-20): 97-104. 1933.
Lists trees under both Japanese and scientific names.

Kitajima, K.
Researches on the red-plague of sugi(Cryptomeria japonica) seedlings (second report). Extracts Bull. Imp. For. Exp. Stat. Japan 2(1915-20): 15-18. 1933.
First report by S.Kawamura.

Kitajima, K.
Studies on the canker disease of sugi seedlings (Cryptomeria japonica). Extracts Bull. Imp. For. Exp. Stat. Japan 2(1915-20): 19-21. 1933.
Valsa cryptomeriae.

Mimura, S.
Colouring and impregnating the wood of growing trees (1st-2d report). Extracts Bull. Imp. For. Exp. Stat. Japan 2(1915-20): 53-57, 59-67. 1933.

Mimura, S.
The relation between forest-trees and their mycorrhiza. Extracts Bull. Imp. For. Exp. Stat. Japan 2(1915-30): 51-52. 1933.

Flor. Exch. (N.Y.) (80F666)
Zimmermann, P. W. & Hitchcock, A. E.
The selection, propagation, and growth of holly. Flor. Exch. 81(39): 19-20. illus. S.30, 1933; 81(40): 19-20. illus. O.7, 1933.

For. Prod. Res. Bull. Gt. Brit. (99.9G796B)
Gt.Brit. Dept. of scientific and industrial research - Forest products research.
Dry rot in wood. 2d ed. Its Bull. no.1. 34 p.9 pl. on 5. Ap. 1933.

Formosan Agr. Rev. (J22.5F76)
Jio, K.
List of varieties of Formosa rice Romanised. Formosan Agr. Rev. 1933: 858-878. S. 1933. no.322.
Japanese.

Gard. Chron. (London) (80G162)
Arends, G.
Astilbe hybrida crispa (syn.A. crisparfolia). Gard. Chron. III,94: 217. S.16, 1933. no.2438.

Friend, H.
Herbs and herbalists. IX. Egyptian herb-lore. Gard. Chron. III, 94: 202-203. S.9, 1933. no.2437.

Grove, A.
Lilium aurelianense. Gard. Chron. III, 94: 200. illus. S.9, 1933. no.2437.
L. sargebtiae♀ x L. henryi♂

Ingwersen, W.
Some treasures of the maritime Alps. Gard. Chron. III, 94: 201-202. S.9, 1933. no.2437.

Keeble, F.
The nitrogen hunger of the world. (concl.) Gard. Chron. III, 94: 203-204. S.9, 1933. no.2437.

Professor William G. Craib. Gard. Chron. III, 94: 210. S.9, 1933. no.2437.

Ward, F. K.
Mr. F. Kingdon Ward's eleventh expedition in Asia. XXXVII. Jitê. Gard. Chron. III, 94: 218-219. illus. S.16, 1933. no.2438.

Gard. Chron. (cont.)
Yashiroda, K.
Lilium philippinense var. formosanum in its natural habitat. Gard. Chron. III, 94: 200-201. illus. S.9, 1933. no.2437.

Gartenfl. (Berlin) (80G19)
Liebsch, G.
Kulturwerte und seltene buntblattgewächse.VI. Buntblättrige araceen. Gartenfl. 82: 244-245. illus. S. 1933.

Schmarse, H.
Veltheimia deasii Barnes,spec.nov. und etwas über veltheimien im allgemeinen. Gartenfl. 82: 248-249. illus. S.1933.

Gartenw. (Berlin) (80G196)
Sommer, H.
Rostkrankheit an bartnelken. Gartenw. 37: 454. S.15, 1933. no.37.

Gentes herbarum (450B15)
Bailey, L. H.
Blackberries of the lower South. In his Gentes Herb. 3: 119-148. illus. Ag. 1933.
Beyond the mountains and highlands of Georgia and Alabama.
Rubus agilis, R. bonus, R. magniflorus, R. abundiflorus, R.par, R. penetrans, n. spp.

Hedwigia (Dresden) (450H35)
Reimers, H.
Revision der lebermoosgattung Micropterygium. Hedwigia 73: 133-204. illus. Ag.26, 1933. no.3/4.

Savulescu, T. & Sandu, C.
Beiträge zur kenntnis der micromyceten Rumäniens. Hedwigia 73: 71-132. Ag.26, 1933. no.3/4.

Wolf, H.
Zur systematischen stellung von Polypodium vulgare L. Hedwigia 73: 205-222. illus. Ag.26, 1933. no.3/4.

Hoppe-Seyl. Zeitschr. Phys. Chem. (Berlin) (384Z38)
Euler, H. v. & Günther, G.
Enzymwirkung und enzymbildung in lebenden zellen. Hoppe-Seyl. Zeitschr. Phys. Chem. 220: 69-85. S.7, 1933. no.1/2.
Experiments with barley and yeast.

Jahrb. St. Gall. Naturw. Ges. (St. Gallen) (508Sa2)
Winkler, O.
Geschichte und verbreitung des walnussbaums (Juglans regia L.) in einigen nordalpinen föhntälern der Ostschweiz. Jahrb. St. Gall. Naturw. Ges. 66: 80-121. 8 pl. on 4 (incl.maps) 1932.

Jahresb. Inst. Angew. Bot. Hamburg (451H176)
Hamburg. Institut für angewandte botanik - Abteilung für pflanzenschutz.
[Bericht] 1932. In its Jahresber. 50: 88-116. illus. 1933.

Journ. Bot. (London) (450J82)
Alston, A. H. G.
Notes on Selaginella. IV. A revision of Liebmann's Mexican Selaginellae. Journ. Bot. 71: 239-243. illus. S.1933. no.849.

Dixon, H. N. & Sainsbury, G. O. K.
New and rare species of New Zealand mosses. (concl.) Journ. Bot. 71: 243-251. S. 1933. no.849.

Grove, W. B.
New or noteworthy fungi XIII. Journ. Bot. 71: 251-259. S. 1933. no.849.

Nicholson, C.
A Lychnis dioica freak. Journ. Bot. 71: 263-264. S. 1933. no.849.

Stearn, W. T.
Additions to the Cambridge university herbarium. Journ. Bot. 71: 265. S. 1933. no.849.
Herbarium of Spencer H. Bickham.

Thompson, H. S.
Does Juncus trifidus occur in Ireland. Journ. Bot. 71: 263. S.1933. no.849.

Wilmott, A. J.
Charles Carmichael Lacaita (1853-1933). Journ. Bot. 71: 259-262. S.1933. no.849.

Journ. Counc. Sci. & Industr. Res. Australia (Melbourne)
Carne, W. M. (514Au72J)
Low temperature breakdown in Tasmanian apples. Journ. Counc. Sci. & Industr. Res. Austral. 6: 217-218. Ag.1933. no.3.

Journ. Counc. Sci. & Industr. Res. Australia (cont.)

Trumble, H. C. & Phipps, I. F.

The inheritance in hybrids between perennial rye-grass and Wimmera rye-grass. Journ. Counc. Sci. & Industr. Res. Austral. 6: 170-178. Ag. 1933. no.3.

Journ. Dept. Agr. Porto Rico (Rio Piedras) (8P832J)

Bregger, T.

The relation of anther color and the proportions of starch filled pollen grains in the sugar cane. Journ. Dept. Agr. Porto Rico 17: 139-143. Ap. 1933 (My.) no.2.

Roque, A.

Bacterial wilt of tobacco in Puerto Rico and its intertransmission to other solanaceous hosts. Journ. Dept. Agr. Porto Rico 17: 145-156. pl.i-iii. Ap.1933 (My.) no.2.

Bacterium solanacearum as it occurs in Porto Rico, identical with B. solanacearum E.F.Smith.

Shamel, A. D. & Twight, E. H.

Puerto Rico seedless orange selections. Journ. Dept. Agr. Porto Rico 17: 171-181. pl.vi-ix. Ap. 1933 (My.) no.2.

Journ. Ecol. (Cambridge, Engl.)

Carter, N.

A comparative study of the alga flora of two salt marshes. III. Journ. Ecol. 21: 385-403. Ag. 1933. no.2.

Conway, V. M.

Further observations on the saltmarsh at Holme-next-the-Sea, Norfolk. Journ. Ecol. 21: 263-267. illus., pl.xiii, foldmap. Ag.1933. no.2.

Davis, T. A. W. & Richards, P. W.

The vegetation of Moraballi Creek, British Guiana: an ecological study of a limited area of tropical rain forest. I. Journ. Ecol. 21: 350-384. illus., pl. xxii. Ag. 1933. no.2.

Godwin, H. & Turner, J. S.

Soil acidity in relation to vegetational succession in Calthorpe Broad, Norfolk. Journ. Ecol. 21: 235-262. illus., fold.chart. Ag. 1933. no.2.

Journ. Ecol. (cont.)

Gupta, P. S.
Reaction of plants to the density of soil.
Journ. Ecol. 21: 452-474. illus. Ag. 1933. no.2.
Experiments with beans and oats.

Illichevsky, S.
The river as a factor of plant distribution.
Journ. Ecol. 21: 436-441. Ag. 1933. no.2.

Juby, D. V. & Pheasant, J. H.
On intermittent germination as illustrated by Helianthemum guttatum Miller. Journ. Ecol. 21: 442-451. illus., fold.graph. Ag.1933. no.2.

Marsden-Jones, E. M. & Turrill, W. B.
Second report on the transplant experiments of the British ecological society at Potterne, Wilts. Journ. Ecol. 21: 268-293. pl.xiv-xv. Ag. 1933. no.2.

Morison, C. G. T.
The composition of the soils used in the Potterne transplant experiments and of portions of Centaurea and Silene grown thereon. Journ. Ecol. 21: 475-478. Ag. 1933. no.2.
Addendum to the report on p.268-293 (Marsden-Jones, E. M. & Turrill, W. B. Report on transplant experiments...)

Myers, J. G.
Notes on the vegetation of the Venezuelan llanos. Journ. Ecol. 21: 335-349. Ag.1933. no.2.

Trapnell, C. G.
Vegetation types in Godthaab Fjord in relation to those in other parts of west Greenland, and with special reference to Isersiutilik. Journ. Ecol. 21: 294-334. illus.(map), pl.xvi-xxi. Ag. 1933. no.2.

Watt, A. S. & Fraser, G. K.
Tree roots and the field layer. Journ. Ecol. 21: 404-414. illus. Ag.1933. no.2.

Journ. Indian Inst. Sci. (Madras)

Betrabet, M. V. & Chakravarti, G. C.

The colouring constituents of alkanet root (Anchusa tinctoria, Lam.) I-II. Journ. Indian Inst. Sci. 16A: 41-53. 1933. no.4.

I. The constitution of alkannin. II. Note on constituents of the wax from alkanet root.

Majumdar, D. N. & Guha, P. C.

Indian medicinal plants. I. Withania somnifera. II. Swertia chirreta. Journ. Indian Inst. Sci. 16A: 29-39. 1933. no.3.

Journ. Okitsu Hort. Soc. (J870k3)

Aono, M.

The occurrence of the so-called second bloom in citrus. Journ. Okitsu Hort. Soc. 28: 84-91. Ap. 1932.

Japanese.

Ida, G.

Anatomical structure of fruit in Japanese persimmon or kaki (Diospyros kaki Linn. fil.) Journ. Okitsu Hort. Soc. 28: 126-131. illus. Ap. 1932.

Japanese.

Ito, S.

The studies on the fruit setting in cultivated species of the genus Cucurbita. Journ. Okitsu Hort. Soc. 29: 117-143. Ap. 1933.

Five variations of C. moschata, six of C.maxima and seven of C. pepo.

Japanese with English summary: p.139-142.

Kadiura, M.

Chinese chestnuts in Kochi prefecture. Journ. Okitsu Hort. Soc. 28: 64-71. 2 pl. Ap. 1932.

Japanese.

Takada, K.

The sugar and acid contents of different varieties of citrus fruits. Journ. Okitsu Hort. Soc. 28: 72-79. Ap.1932.

Japanese.

Journ. Okitsu Hort. Soc. (cont.)

Takahashi, I.

Progeny tests of limb variations in the Washington navel orange. Journ. Okitsu Hort. Soc. 28: 29-39. 4 pl. Ap. 1932.

Japanese.

Journ. Sapporo Soc. Agr. & For. (J22.5So1)

Hotta, T.

Morphological and systematic studies on the mulberry-tree.I-II. Journ. Sapporo Soc. Agr. & For. 25: 1-55, 56-70. illus. Ag.1933. no.114.

Japanese.

Nagai, M. & Shimamura, M.

List of fungi collected in the Island of Kunashiri, Kurile. Journ. Sapporo Soc. Agr. & For. 25: 71-89. illus. Ag.1933. no.114.

Japanese, Latin diagnosis of n.sp. (Uredo daphnes)

Kakteenk. Deut. Kakteen-Ges. (451D482)

Bödeker, F.

Echinopsis (Lobiva) rossii Böd., sp.n. Kakteenk. Deut. Kakteen-Ges. 1933: 167-168. illus. S.1933. no.9.

Bödeker, F.

Mammillaria icamolensis Böd., sp.n. Kakteenk. Deut.Kakteen-Ges. 1933: 168-169. illus. S. 1933. no.9.

Goetsch, W.

In Chiles kakteen-gebieten. (cont.), Kakteenk. Deut.Kakteen-Ges. 1933: 169-171. illus. S. 1933. no.9.

Lindinger, L.

Das dollosche entwicklungsgesetz und das kormodium einiger kakteen. Kakteenk. Deut. Kakteen-Ges. 1933: 171-173. S.1933. no.9.

Kolloidchem. Beih.

Samec, M. & others.

Studien über pflanzenkolloide. XXXI. Zur bestimmung der mittleren teilchengrösse einiger stärkesubstanzen und stärkederivate. Kolloidchem. Beih. 37: 91-118. D.5, 1932. no.1/3.

Kolloid-Zeitschr. (Dresden) (384Z315)
Sanec, M.
Studien über pflanzenkolloide XXXIV. Die teilchengrösse oxydierte stärke, bestimmt auf osmotischen und auf chemischen wege. Kolloid-Zeitschr. 65: 321-323. S. 1933. no.3.

Landbouwk. Tijdschr. Wageningen (105.20r3)
Bos, H.
Het vegetatierhythme van de rogge. (concl.) Landbouwk. Tijdschr. Wageningen 45: 477-493. S. 1933. no.549.

Schoevers, T. A. C.
In memoriam Dr. Hemmo Bos. Landbouwk. Tijdschr. Wageningen 45: 473-474. suppl.pl. (port.) S. 1933. no.549.

Landw. Jahrb. (Berlin) (18L23)
Geisenheim. Lehr-und forschungsanstalt für wein-, obst- und gartenbau - Pflanzenpathologische versuchsstation.
Bericht über die tätigkeit 1931/32 In its Bericht... 1931/33. Landw. Jahrb. 77(Ergänzungsbd.): 224-227. 1933.
G. Lüstner joint author.

Landsberg. a.d. Warthe. Preussische landwirtschaftliche versuchs- und forschungsanstalten-Institut für pflanzenkrankheiten.
Bericht über die tätigkeit 1931/33. In its Jahresbericht 1931/32-32/33. Landw.Jahrb. 77 (Ergänzungsbd.): 24-29. 1933.
Dr. Schander director.

Matières Grass. (Paris) (307.8M42)
Adriaens, L.
Etude chimique de la graine d'Allanblackia klainei Pierre. Matières Grass. 25: 9931-9932. illus. S.15, 1933. no.305.

Meded. Landbouwhoogesch. Wageningen (105.2W122)
Huisman, E. & Hartsema, A. M.
De periodieke ontwikkeling van Narcissus pseudonarcissus L. (The periodical development of Narcissus pseudonarcissus L.) Meded.Landbouwhoogesch. Wageningen v.37, no.1. 54 p. illus., 4 fold.pl. 1933.
English summary: p.39-49.

Missouri Bot. Gard. Bull. (St. Louis) (89M69B)

Fairburn, D. C.
Dry sand treatment of preserving flowers.
Missouri Bot. Gard. Bull. 21: 105-107. pl.26.
S. 1933. no.7.

Jensen, L. P.
New or noteworthy plants for St. Louis. IV.
Albizzia julibrissin (silk tree). Missouri Bot.
Gard. Bull. 21: 108-109. pl.28. S. 1933. no.7.

Pring, G. H.
Grammatophyllum multiflorum. Missouri Bot.
Gard. Bull. 21: 109-110. pl.29. S. 1933. no.7.

Mitt. Naturf. Ges. Bern (508B45)

Lüdi, W.
Keimungsversuche mit samen von alpenpflanzen.
Mitt. Naturf. Ges. Bern 1932: xlvi-l. 1933.

Schweizer, J.
Ueber die periodizität des blattwechsels bei
tropischen bäumen. Mitt. Naturf. Ges. Bern
1932: xii-xlvi. 1933.
Studies with Hevea.

Möller's Deut. Gärtn.-Zeit. (Erfurt) (80M73)

Selle, G.Th.
Das ulmensterben. Fadenpilz Graphium ulmi und
ulmensplintkäfer. Möller's Deut. Gärtn.-Zeit.
48: 323. S.21, 1933. no.27.

Weltz, P.
Tilia platyphyllos var. kavkaiana P.W.Eine
neue dekorative und starkwüchsige Linden-varietät.
Möller's Deut. Gärtn.-Zeit. 48: 313-314. illus.
S.21, 1933. no.27.

Mycologia (450M99)

Arthur, J. C. & Cummins, G. B.
Rusts of the northwest Himalayas. Mycologia
25: 397-406. illus. S./O. 1933. no.5.
Aecidium distinctum, A. hederae, A. stewartii,
Gymnosporangium distortum, Puccinia silvatica n.spp.

Ayers, T. T.
Growth of Dispira cornuta in artificial culture.
Mycologia 25: 333-341. pl.41. S./O. 1933. no.5.

Mycologia (cont.)

Bose, S. R.
Abnormal spores of some Ganoderma. Mycologia 25: 431-434. illus. S./O. 1933. no.5.

Hahn, G. G.
An undescribed Phomopsis from Douglas fir on the Pacific Coast. Mycologia 25: 369-375. pl.44. S./O. 1933. no.5.
Ph. lokoyae.

Hedgcock, G. G. & Hunt, N. R.
Notes on some species of Coleosporium III. Mycologia 25: 392-396. S./O. 1933. no.5.

Linder, D. H.
North American Hyphomycetes. I. Two new Helicosporeae and the new genera Haplochalara and Paspalomyces. Mycologia 25: 342-348. pl.42. S./O. 1933. no.5.
Helicon thaxteri, H. inflatum, Paspalomyces aureus, Haplochalara angulospora sp.nov.

Mains, E. B.
Studies concerning heteroecious rusts. Mycologia 25: 407-417. S./O. 1933. no.5.
Puccinia conspicua n.sp.

Miller, L. W.
The Hydnaceae of Iowa. I. The genera Grandinia and Oxydontia. Mycologia 25: 356-368. pl.43. S./O. 1933. no.5.

Overholts, L. O.
Mycological notes for 1930-32. Mycologia 25: 418-430. pl.45-47. S./O. 1933. no.5.

Zeller, S. M.
New or noteworthy agarics from Oregon. Mycologia 25: 376-391. S./O. 1933. no.5.

Zundel, G. L.
New and rare North and South American Ustilaginales. Mycologia 25: 349-355. S./O. 1933. no.5.

Natur u. Mus. (Frankfurt a.M.) (509F856)

Bluntschli, H.

Blütenzweig der vanille-orchidee. Natur u. Mus. 63: 128-131. illus. Ap. 1933. no.4.

Vanilla planifolia.

Eberle, G.

Die schuppenwurz. Natur u. Mus. 63: 176-180. illus. My. 1933. no.5.

Lathraea squamaria.

Nat. Canad. (Quebec) (410N216)

Rousseau, J.

Essai de bibliographie botanique canadienne. (cont.). Nat. Canad. 60: 272-276. Ag./S. 1933. no.8/9.

Nature (London) (472N21)

Joshi, A. C. & Venkateswarlu, J.

Exceptional behaviour of the synergids in the embryosac of angiosperms. Nature 132: 409. S.9, 1933. no.3332.

In Ammania baccifera.

Maxwell, H.

The sycamore fungus. Nature 132: 409. S.9, 1933. no.3332.

Rhytisma acerina causing circular black spots on leaves of sycamore, has no perceptible effect on vigor of tree.

Virtanen, A. I. & Hausen, S.v.

Effect of yeast extract on the growth of plants. Nature 132: 408-409. S.9,1933. no.3332.

Experiments with peas.

Went, F. A. F. C.

Growth substance (auxin) in plants. Nature 133: 452-453. S.16. 1933. no.3333.

Substance of a paper read before Section K (Botany) of the British Association at Leicester on S. 12.

Naturwissensch. (Berlin) (474N213)

Halden, W., Bilger, F. & Kunze, R.

Zur kenntnis des fett- und lipoidstoffwechsels der hefe. Naturwissensch. 21: 660-661. S.8, 1933. no.36.

Naturwissensch. (cont.)
Schmucker, T. & Drude, G.
Transpiration verschiedener modifikationen einer art. Naturwissensch. 21: 676. S.15, 1933. no.37.
Experiments with Impatiens noli tangere.

New Zeal. Journ. Agr. (Wellington) (23N48J)
Cunningham, G. H. & Muggeridge, J.
Orchard sprays in New Zealand. V. The oil series. (concl.) New Zeal. Journ. Agr. 47: 89-96. Ag.21, 1933. no.2.

Deem, J. W.
Control of ragwort on grassland. The spraying and dry-dusting methods of using sodium chlorate. New Zeal. Journ. Agr. 47: 99-104. Ag.21, 1933. no.2.

Obst- u. Gemüseb. (Berlin) (80p7750)
Helm, A.
Der sellerieschorf, Phoma apiicola Klebahn. Obst- u. Gemüseb. 79: 137. illus. S.15, 1933. no.9.

Occas. Papers Bern. P. Bishop Mus. (500B450)
St. John, H.
Lysimachia, Labordia, Scaevola and Pluchea. Occas. Papers Bern. P. Bishop Mus. v.10, no.4. 10 p. illus. F.15, 1933.
Hawaiian plant studies, I. (Scaevola skottsbergii n.sp.)

Parfum. Mod. (Lyon, France) (308.8P412)
Chaplet, A.
Les parfums et le folk-lore. Parfum. Mod. 27: 351-361. Ag. 1933. no.8.

Phytopath. Zeitschr. (Berlin) (464.8P562)
Buisman, C.
Ueber die biologie und den parasitismus der gattung Ceratostomella Sacc. Phytopath. Zeitschr. 6: 429-439. 1933. no.4.

Köhler, E.
Untersuchungen über die viruskrankheiten der kartoffel. II. Studien zur blattrollkrankheit. Phytopath. Zeitschr. 6: 359-369. illus. 1933. no.4.

Phytopath. Zetschr. (cont.)

Lindeijer, E. J.
Die bakterienkrankheit der weide (verursacht durch pseudomonas saliciperda n.sp.) Phytopath. Zeitschr. 6: 371-374. 1933. no.4.

Quanjer, H. M.
Ueber eine komplexe viruskrankheit des tabaks. Phytopath. Zeithschr. 6: 325-333. illus. 1933. no.4.

Stahel, G.
The witchbrooms of Eugenia latifolia Aubl. in Surinam caused by Pseudomonas hypertrophicans nov. spec. Phytopath. Zeitschr. 6: 411-452. illus. 1933. no.4.

Stahel, G.
Zur kenntnis der siebröhrenkrankheit (phloëmnekrose) des kaffeebaumes in Surinam. III. Phytopath. Zeitschr. 6: 335-357. illus. 1933. no.4.

Tanja, A. E.
Untersuchungen über Gibberella saubinetii (Dur. et Mont.) Sacc. und die fusariose des weizens. Phytopath. Zeitschr. 6: 375-428. illus. 1933. no.4.

Proc. Crop Sci. Soc. Japan (22.5C88)

Inouye, C.
Meiotic mitosis in Hordeum sativum. Proc. Crop. Sci. Soc. Japan 4: 304-314. 2 pl. on 1. D.1932. no.4.
Japanese with English résumé: p.311-312.

Mayeda, Y.
Cytological studies in Colocasia. Proc. Crop Sci. Soc. Japan 4: 315-318. illus. D. 1932. no.4.
Preliminary report.
Japanese with English résumé: p.318.

Ohno, H.
Chromosome number of Thea sinensis. Proc. Crop Sci. Soc. Japan 4: 319-321. illus. D. 1932. no.4.
Japanese with English résumé: p.321.

Sasaki, T.
A preliminary report on the form of the root system in rice plants. Proc. Crop Sci. Soc. Japan 4: 200-225. illus. S. 1932. no.3.
Japanese with English résumé: p.222-225.

Proc. Indiana Acad. Sci. (500In2)
Britton, M. E. & Smith, B. H.
Some algae of the Lower Wabash Valley.
Proc. Indiana Acad. Sci. 42(1932): 45-46. 1933.

Dean, C. C.
Plants new or rare to Indiana. XVIII.
Proc. Indiana Acad. Sci. 42(1932): 47-49.
1933.

Girton, R. E.
Measurement of plant growth by means of the optical lever. Proc. Indiana Acad. Sci. 42(1932): 51-55. illus. 1933.

Hawkins, S.
Some effects of lightning on tomato plants.
Proc. Indiana Acad. Sci. 42(1932): 57-59. illus.
1933.

Henderson, R. V.
The development and structure of the juvenile leaves in Marsilea quadrifolia with notes on the anatomy of the stem and adult petiole. Proc. Indiana Acad. Sci. 42(1933): 61-72. illus. 1933.

Houdek, P. K.
Pollen statistics for two Indiana bogs. Proc. Indiana Acad. Sci. 42(1932): 73-77. 1933.

Love, L. M. & Rogers, R. L.
Some algae of Vigo, Greene and Daviess Counties. Proc. Indiana Acad. Sci. 42(1932): 79-81. 1933.

Palmer, C. M.
Algae of Indiana: Second list of additions to the 1875-1928 check list. Proc. Indiana Acad. Sci. 42(1932): 90-92. 1933.

Palmer, C. M.
Distribution of the alga, Lemanea, in Indiana.
Proc. Indiana Acad. Sci. 42(1932): 89-90. 1933.

Potzger, J. E.
Notes on Indiana grasses, 1932. Proc. Indiana Acad. Sci. 42(1932): 93-95. 1933.

Welch, W. H.
A field study of the common barberry.
Proc. Indiana Acad. Sci. 42(1932): 97-99. 1933.

Proc. Intern. Congr. Genetics, 6th, 1932 (442.9In8206)

Blakeslee, Albert F.

The species problem in Datura. Proc. Intern. Congr. Genetics, 6th 1932. 1: 104-120. illus. [1933]

Emerson, R. A.

The present status of maize genetics. Proc. Intern. Congr. Genetics, 6th 1932. 1: 141-152. [1933]

Federly, H.

The conjugation of the chromosomes. Proc. Intern. Congr. Genetics, 6th, 1932. 1: 153-164. [1933]

Haldane, J. B. S.

Can evolution be explained in terms of genetical facts? Proc. Intern. Congr. Genetics, 6th 1932 1: 185-189. [1933]

Morgan, T. H.

The rise of genetics. Proc. Intern. Congr. Genetics, 6th, 1932. 1: 87-103. [1933]

Stadler, L. J.

On the genetic nature of induced mutations in plants. Proc. Intern. Congr. Genetics, 6th 1932. 1: 274-294. [1933]

Vavilov, N.

The process of evolution in cultivated plants. Proc. Intern. Congr. Genetics, 6th, 1932 1: 331-342. [1933]

Winge, O.

The nature of sex chromosomes. Proc. Intern. Congr. Genetics, 6th, 1932. 1: 343-355. illus. [1933]

Proc. Linn. Soc. N.S.W. (Sydney) (514Sy2)

Brough, P.

The life-history of Grevillea robusta (Cunn.). Proc. Linn. Soc. N.S.W. 58: 33-73. illus., pl. ii. 1933. no.1/2(245/246)

Waterhouse, W. L.

On the production of fertile hybrids from crosses between vulgare and Khapli emmer wheats. Proc. Linn. Soc. N.S.W. 58: 99-104. pl. iii-iv. 1933. no.1/2(245/246)

Proc. Oklahoma Acad. Sci. (500Ok42)

Bruner, W. E.

Root development of cotton, peanuts and tobacco in central Oklahoma. Proc. Oklahoma Acad. Sci. 12: 20-37. illus. 1932.

Clark, F. R.

On regeneration of injured leaves. Proc. Oklahoma Acad. Sci. 12: 54-55. 1932.

Daniel, H. A.

A study of certain factors which affect the calcium, phosphorus, and nitrogen content of prairie grass. Proc. Oklahoma Acad. Sci. 12: 42-45. 1932.

Shuhart, D. V.

Inner sculpturing of the fruit of Juglandaceae. Proc. Oklahoma Acad. Sci. 12: 17-18. 1932.

Proc. Roy. Soc. Canada (5170t81)

Lloyd, F. E.

The carnivorous plants. A review, with contributions. Proc. Roy. Soc. Canada 1933: xxxvii-ci. illus., xvi pl. 1933.

Presidential address.

Proc. Roy. Soc. Queensland (514B775)

Herbert, D. A.

The relationships of the Queensland flora. Proc. Roy. Soc. Queensl. 44: 2-22. Mr.25, 1933.

Jones, T. G. H.

Essential oils of the Queensland flora. pt.V. Eriostemon glasshousiensis. Proc. Roy. Soc. Queensl. 44: 151-152. Mr.25, 1933.

Proc. Utah Acad. Sci. (500Ut1)

Blood, H.

The control of tomato bacterial canker (Aplanobacter michiganase E.F.S.) by fruit-pulp fermentation in the seed-extraction process. Proc. Utah Acad. Sci. 10: 19-23. 1933.

Cottam, W. P. & Thomas, K. E.

The floral development of Claytonia lanceolata Pursh. Proc. Utah Acad. Sci. 10: 33. 1933.

Proc. Utah Acad. Sci. (cont.)

Knight, B.M. & Cottam, W. P.

Fleshy fungi of Salt Lake county. Proc. Utah Acad. Sci. 10: 27-31. 1933.

Stanton, W. D.

The ecology and floristics of the Henry Mountains. Proc. Utah Acad. Sci. 10: 25. 1933.

Quart. Rev. Biol. (Baltimore) (442.8Q2)

Chester, K. S.

The problem of acquired physiological immunity in plants. (cont.) Quart. Rev. Biol. 8: 275-324. S. 1933. no.3.

Gowen, J. W.

On the generic structure of inherited constitution for disease resistance. Quart. Rev. Biol. 8: 338-347. S. 1933. no.3.

Resistance in plants: p.344-346.

Rep. Bot. Soc. & Exch. Club Brit. Isles (451B653)

Drabble, E.

Ranunculus bulbosus L. and its varieties in Great Britain. Rep. Bot. Soc. & Exch. Club Brit. Isles 10(1932): 242-248. Ag.1933. no.1.

Drabble, E.

Spiraea ulmaria L., var. denudata auct. plur. Rep. Bot. Soc. & Exch. Club Brit. Isles 10(1932): 396-398. Ag. 1933. no.1.

Drabble, E.

Valeriana officinalis L. and its allies in Great Britain. Rep. Bot. Soc. & Exch. Club Brit. Isles 10(1932): 249-257. Ag. 1933. no.1.

Druce, G. C.

Local floras. Rep. Bot. Soc. & Exch. Club Brit. Isles 10(1932): 399-424. Ag. 1933. no.1.

Elliot, G. F. S.

Cardamine pratensis L. Rep. Bot. Soc. & Exch. Club Brit. Isles 10(1932): 209-219. Ag. 1933. no.1.

Foggitt, G.

Annals of the B.E.C. Chap. I.: "The Botanical society of London". Rep. Bot. Soc. & Exch. Club Brit. Isles 10(1932): 282-288. Ag.1933. no.1.

Rep. Bot. Soc. & Exch. Club Brit. Isles (cont.)

Foggitt, T. J.

Annals of the B.E.C. Chap. II.: "Recollections of the Thirsk botanical society". Rep. Bot. Soc. & Exch. Club Brit. Isles 10(1932): 289-297. pl. 45-46. (ports.) Ag. 1933. no.1.

Fraser, J.

Revised nomenclature of Salix. Rep. Bot. Soc. & Exch. Club Brit. Isles 10(1932): 367-371. Ag. 1933. no.1.

Gilmour, J. S. L.

The taxonomy of plants intermediate between Medicago sativa L. and M. falcata L. and their history in East Anglia. Rep. Bot. Soc. & Exch. Club Brit. Isles 10(1932): 355-365. Ag.1933. no.1.

Hall, P. M.

Three hybrid orchids: 1931. Rep. Bot. Soc. & Exch. Club Brit. Isles 10(1932): 364-366. pl.47-51. Ag. 1933. no.1.

Habenaria gymnadenia x Orchis praetermissa, H. gymnadenia x O. fuchsii, O. fuchsii x O. incarnata.

Little, J. E.

A sketch of the botany of the Ivel district of Hertfordshire. Rep. Bot. Soc. & Exch. Club Brit. Isles 10(1932): 375-387. Ag. 1933. no.1.

Melville, R.

Some native Primula hybrids. Rep. Bot. Soc. & Exch. Club Brit. Isles 10(1932): 372-374. pl.52-55. Ag.1933. no.1.

Miller, W. D.

A note on extinct and rare species of the county fo Somerset. Rep. Bot. Soc. & Exch. Club Brit. Isles 10(1932): 268-276. Ag. 1933. no.1.

Miller, W. D.

A note on the southern distribution of Listera cordata. Rep. Bot. Soc. & Exch. Club Brit. Isles 10(1932): 223-227. Ag. 1933. no.1.

Rep. Bot. Soc. & Exch. Club Brit. Isles (cont.)

Pearsall, W. H.
The British species of Carex. Rep. Bot. Soc. & Exch. Club Brit. Isles 10(1932): 166-196. Ag. 1933. no.1.

Pearsall, W. H.
Zannichellia. Rep. Bot. Soc. & Exch. Club Brit. Isles 10(1932): 235-241. Ag. 1933. no.1.

Roper, I. M.
James Walter White. Rep. Bot. Soc. & Exch. Club Brit. Isles 10(1932): 83-86. Ag. 1933. no.1.

Sandwith, C. I.
The adventive flora of the Port of Bristol. Rep. Bot. Soc. & Exch. Club Brit. Isles 10(1932): 314-363. Ag.1933.

Sprague, T. A.
Plant nomenclature. Rep. Bot. Soc. & Exch. Club Brit. Isles 10(1932): 300-313. Ag. 1933. no.1.

Wade, A. E.
Notes on the genus Myosotis. I. Revised descriptions of the British marsh and waterside species. Rep. Bot. Soc. & Exch. Club Brit. Isles 10(1932): 388-392. Ag. 1933. no.1.

Wright, F. R. E.
Alterations in vegetative growth due to environmental adaption in Brauton Burrows. Rep. Bot. Soc. & Exch. Club Brit. Isles 10(1932): 258-267. pl.1-44. Ag.1933. no.1.
Dune area.

Rev. Agrol. et Bot. Kivu (Bruxelles) (24R32)

Van Roechoudt, L. L.
Inspection phytosanitaire dans le nord du Kivu. Rev. Agrol. et Bot. Kivu 3: 28-30. Jl. 1933.

Rev. Gén. Bot. (Paris) (450R326)

Famin, A.
Action de la température sur les végétaux. III. Les échanges chimiques en fonction de la température entre la plante et son milieu. Rev. Gén. Bot. 45: 357-378. pl. Ag. 1933. no.536.

Rev. Gén. Bot. (cont.)
Guilliermond, A.
Recherches cytologiques sur les pigments anthocyaniques et les composés oxyflavoniques. (cont.) Rev. Gén. Bot. 45: 379-404. illus. Ag. 1933. no.536.

Lemesle, R.
De l'ancienneté des caractères anatomiques des magnoliacées. Rev. Gén. Bot. 45: 341-355. pl. xiv-xvii. Ag.1933. no.536.

Rev. Industr. y Agr. Tucumán (Buenos Aires) (9T79)
Fawcett, G. L.
Las rayas blancas de las hojas de la caña de azucar. Rev. Industr. y Agr. Tucuman 22: 299-302. illus. N./D. 1932. no.11/12.

Riv. Patol. Veg. (Paris) (464.8R52)
Preti, G.
Marciume del pomidoro nella Liguria occidentale, Solanum lycopersicum. Riv. Patol. Veg. 23: 291-301. illus. Jl./Ag. 1933. no.7/8.

Preti, G.
Studio sulla cascola delle gemme fiorifere del pesco. Riv. Patol. Veg. 23: 303-312. Jl./Ag. 1933. no.7/8.

Rubber Res. Inst. Malaya Plant. Man. (78.9R824)
Mann, C.E.T. & Sharp, C.C.T.
The history and description of clones of Hevea brasiliensis. Rubber Res. Inst. Malaya Plant. Man. no.5. [68 p.] illus. Ag.1933.

Rubber Res. Scheme, Ceylon, Quart. Circ. (78.9C33Q)
Murray, R. K. S.
A note on sun-scorch of budgrafts. Rubber Res. Scheme, Ceylon, Quart. Circ. 10: 35-37. Je.1933. no.2.

Schweiz. Zeitschr. Obst- u. Weinb. (Wädenswil) (80Sch9)
Osterwalder, A.
Die blaufleckigkeit unreifer traubenbeeren. Schweiz. Zeitschr. Obst- u. Weinb. 69: 334-338. illus. S.16,1933. no.19.
Physiological.

Science (470Sci2)

Cribbs, J. E.

A new Cordaites from Missouri. Science 78: 311-312. O.6, 1933. no.2023

C. missouriense.

Holmes, S. J.

Are genes the product of crossing-over? Science 78: 309-311. O.6, 1933. no.2023.

Oserkowsky, J. & Thomas, H. E.

Exanthema in pears and its relation to copper deficiency. Science 78: 315-316. O.6, 1933. no.2023.

Weier, T. E.

On the structure of the Anthoceros plastid in reflected light. Science 78: 264-265. S.22, 1933. no.2021.

Woodcock, E. F.

A convenient slide warmer. Science 78: 287. illus. S.29, 1933, no,2022.

Science News Letter (470Sci24)

Giant cactus afflicted with plant tumors. Science News Letter 24: 238. O.7, 1933. no.652.

Crown gall.

Report of Prof. J. G. Brown and M.M. Evans of Univ. of Arizona.

Sci. Papers Inst. Phys. & Chem. Res. (Tokyo) (513T577)

Furukawa, S.

Studies on the constituents of Ginkgo biloba L. leaves. III-IV. Sci. Papers Inst. Phys. & Chem. Res.(Tokyo) 21: 273-277, 278-285. S.1, 1933. no.440/447.

Hirata, M.

Rigidity of Wisteria pod. Sci. Papers Inst. Phys. & Chem. Res.(Tokyo) 21: 242-245. illus. S.1, 1933. no.440/447.

Terada, T., Hirata, M. & Utigasaki, T.

On the mechanism of spontaneous expulsion of Wisteria seeds. Sci. Papers Inst. Phys. & Chem. Res.(Tokyo) 21: 233-241. illus., pl. xix-xx. S.1, 1933. no.440/447

Sci. Rep. Agr. Res. Inst. Pusa (107.5P97R)
McRae, W.
Report of the imperial mycologist. Sci. Rep. Imp. Inst. Agr. Res. Pusa 1931/32: 122-140. 1933.

Scient. Month. (470Sci23)
Stevens, N. E.
Plant pathology and the consumer. Scient. Month. 37: 325-329. O. 1933. no.4.

Senckenbergiana (Frankfurt a.M.) (410.9Se5)
Zickler, H.
Rassenkreuzungen bei askomyzeten. Senckenbergiana 15: 160-164. illus. My.31, 1933. no.1/2.

Sitzungsb. Akad. Wiss. Wien. Matn.-Naturw. Kl. Abt. llb. (510V67)
Fraenkel, E. & Zellner, J.
Beitrage zur vergleichenden pflanzenchemie XXIV. Ueber Heracleum spondylium L. Sitzungsb. Akad. Wiss. Wien Math.-Naturw. Kl. Abt. IIB, 142: 12-14. 1933. no.1/2.

So. African Gard. (Johannesburg) (80So87)
Plants new or noteworthy. South African plants cultivated in the National botanic gardens, Kirstenbosch and in our readers' gardens. So. African Gard. 23: 213. illus. S. 1933. no.9.
Ixia paucifolia Lewis, Aloe petrophila Pillans A. gariepensis Pillans, n.spp.

Sucrerie Belge (66.8Su1)
Verplancke, Germain
Les viroses de la betterave. I-IX. Sucrerie Belge 53: 2-10, 22-32. illus. S.1, 15, 1933. no.1,2.

Tasmanian Journ. Agr. (23T182T)
Nicholls, H. M.
Ear cockle in wheat. Tasmanian Journ. Agr. n.s., 4: 104-107. illus. Ag.1, 1933. no.3.

Woodforde, A. H.
The inheritance of fluorescence in derivatives of perennial x Italian ryegrass. Tasmanian Journ. Agr. n.s. 4: 120-122. Ag.1, 1933. no.3.
A preliminary note.

La Terre Maroc (Rabat) (24T44)
Miege, E.
Les plantes fourragères du Maroc. (cont.)
La Terre Maroc 3(4): 2-11. illus. S.15, 1933.

Tijdschr. Plantenz. (464.8T44)
Bouman, A. M.
Bestrijding van bacterieele wortelknobbels bij appel en peer. Tijdschr. Plantenz. 39: 217-224. S. 1933. no.9.
English summary: p.223-224.

Die Umschau (Frankfurt) (474Un7)
Hahn,
Luftaktivität, erdstrahlen und pflanzenwachstum. Die Umschau 37: 724-726. illus. S.9, 1933. no.37.

U.S. Dept. Agr. Circ. (1Ag84C)
Bryan, M.K.
Three bacterial spots of tomato fruit. U.S. Dept. Agr. Circ. no.292. 2 p. 4 pl. Ag. 1933. (Sept.5)
Bacterial canker (Aplanobacter michiganense); bacterial spot (Bact. vesicatorium); bacterial speck (Bact. punctilans); also describes "ghost spot" (no parasite found).

U.S. Dept. Agr. Techn. Bull. (1Ag84Te)
Carsner, E. S. & others.
Curly-top resistance in sugar beets and tests of the resistant variety U.S. no.1. U.S. Dept. Agr. Techn. Bull. 360. 68 p. illus. My.1933 (Rec'd Jl.3)

U.S. Dept. Agr. Miscellaneous mimeographed publications.
Brierley, P.
Rose canker diseases. Washington, D. C. S. 1933. (1.9P772Rc.)
From Div. Fruit & Vegetable Crops & Dis., U.S. Dept. Agr. Mimeographed.

Stevens, H.E.& Fulton, H. R.
Avocado fruit spots and their control. Washington, D. C. Ag. 1933. (1.9P772Avo)
From Div. Fruit & Vegetable Crops & Dis., U.S. Dept. Agr. Mimeographed.
Cercospora spot or blotch, anthracnose or black spot.

U.S. Dept. Agr. Miscellaneous mimeographed publications. (cont.)

Weiss, F.

Mildew of herbaceous ornamentals. Washington, D. C., S.1933. (1.9P772Mi)

From Div. Fruit & Vegetable Crops & Dis., U.S. Dept.Agr. Mimeographed.

Weiss, F.

Stem rot and wilt of carnations. Washington, D.C., S.1933. (1.9P772Sr)

From Div. Fruit & Vegetable Crops & Dis., U.S. Dept.Agr. Mimeographed.

Rhizoctonia, Fusarium.

Yearbk. Pennsylvania Hort. Soc.

Henry, M. G.

Exploring and plant collecting in northern British Columbia. Yearbk. Pennsylvania Hort. Soc. 1933: 68-75. illus.

A trip to the so-called "tropical valleys".

Wister, J. C.

Arthur Hoyt Scott horticultural foundation. Yearbk. Pennsylvania Hort. Soc. 1933: 53-58.

Zashch. Rast. (Plant Prot.) Leningr. (421D36)

Javoronkova, I.

Izyskanie novykh fungisidov protiv parshi (Venturia inaequalis Aderh.) i plodovoi gnili (Sclerotinia fructigena Schröt.) vzamen bordoskoi zhidkosti (Investigations of the new fungicides against Venturia inaequalis Aderh. and Sclerotina fructigena Schröt. instead of Bordeaux mixture). Zashch. Rast. (Plant Prot.) Leningr. 1932(3): 106-116. 1933.

Russian.

Rodigin, M.

Nekotorye dannye po ispytanii͡u khimicheskikh veshchestv pri bor'be s muchnistoĭ rosoi tykvennykh (Some data on the test of fungicides in the control of Sphaerotheca fulginea Poll. on Cucurbitaceae). Zashch. Rast. (Plant Prot.) Leningr. 1932(2): 69-74. 1932.

Russian.

Zashch. Rast. (Plant Prot.) Leningr. (cont.)

Steinberg, D.

Liutsernovaia nematoda (Der luzerne-nematode) Zashch.Rast. (Plant Prot.) Leningr. 1932(3): 71-80. 1933.

Russian with German summary.

Form of Heterodera schachtii or H. goettingiana.

Tupenevich, S. M.

Bolezni liupina v khoziaistvakh Semtresta v 1930 godu (Investigations of the lupine seed diseases in BSSR in 1930) Zashch. Rast. (Plant Prot.) Leningr. 1932(1): 81-96. 1932.

Russian with English summary.

Zeitschr. Pflanzenernähr. Düng. u. Bodenk. A, Wiss. Teil. (Leipzig) (384Z343A)

Triwosch, S.

Das eisen als mittel zur bekämpfung der chlorose der gelben lupine (Lupinus luteus) auf kalkhaltigen bzw. gekalkten böden. Zeitschr. Pflanzenernähr. Düng. u. Bodenk. A, Wiss. Teil 31: 14-27. 1933. no.1/3.

Zeitschr. Pflanzenkr. (Stuttgart) (464.8Z3)

Babol, A.

Schorfbekämpfung nach neuen beobachtungen. Zeitschr. Pflanzenkr. 43: 498-502. illus. Ag./S. 1933. no.8/9.

Rischkow, V., Karatschevsky, J. & Michailona, P.

Ueber die fruchtverholzung bei tomaten. Zeitschr. Pflanzenkr. 43: 496-498. Ag./S. 1933. no.8/9.

Known in Crimea as "stolblur", probably a virus disease. Vorläufige mitteilung.

Schilcher, E.

Beitrag zur rostfrage. Zeitschr. Pflanzenkr. 43: 533-563. Ag./S. 1933. no.8/9.

Puccinia triticina.

Steiner, H.

Ein beitrag zur frage des einflusses verschiedener bodenfeuchtigkeit auf den befall (infektionstypus) des weizens mit Puccinia triticina Erikss. Zeitschr. Pflanzenkr. 43: 484-487. Ag./S. 1933. no.8/9.

Zeitschr. Pflanzenkr. (cont.)

Steiner, H.

Ueber das auftreten und die verbreitung der getreiderostarten in Oesterreich. Zeitschr. Pflanzenkr. 43: 488-496. Ag./S. 1933. no.8/9.

Tubeuf, K.v.

Studien über symbiose und disposition sowie über vererbung pathologischer eigenschaften unserer holzpflanzen. IV. Disposition der fünfnadeligen Pinusarten einerseits und der verschiedenen Ribes-gattungen, arten, bastarde und gartenformen andererseits für den befall von Cronartium ribicola. Zeitschr. Pflanzenkr. 43: 433-471. Ag./S. 1933. no.8/9.

Tubeuf, K. v.

Studien über symbiose und disposition für parasitenbefall sowie über vererbung pathologischer eigenschaften unserer holzpflanzen. I-II. Nachtrag. Zeitschr. Pflanzenkr. 43: 472-476, 476-484. illus. Ag./S. 1933. no.8/9.

Nachtrag to II & III.

Zuckerrübenbau (Hannover) (66.8Z9)

Claus, E.

Zur chromosomenforschung bei der zuckerrübe. Zuckerrübenbau 15: 143-147. illus. S. 1933. no.9.

Der Züchter (Berlin) (442.8Z8)

Kuhn, E.

Verknüpfung von cytologie und genetik bei Oenothera. Der Züchter 5: 181-192. Ag.1933. no.8.

Schmidt, E.

Unsere erfahrungen bei der züchtung phytophthoraresistenter kartoffeln. Der Züchter 5: 173-179. Ag. 1933. no.8.

Sengbusch, R. v. & Weissflog, J.

Die züchtung von wohlschmeckenden tomaten. Die züchterische bedeutung des zucker- und säuregehaltes. Der Züchter 5: 169-173. Ag. 1933. no.8.

Steiner, H.

Ueber die braunrost- (Puccinia triticina und Puccinia dispersa) anfälligkeit von reziproken bastarden zwischen weizen und roggen. Der Züchter 5: 179-180. Ag. 1933. no.8.

Exp. Sta. Publ.

Ware, J. O.
Genetic relations of red plant color, leaf shape and fiber colors in upland cotton. Arkansas Agr. Exp. Stat. Bull. 294. 60 p. Je. 1933 (100Ar42)

Sears, O. H., Piepper, J. J. & Burlison, W. L.
Sweet clover in Illinois. Illinois Agr. Exp. Stat. Bull. 394: 211-262. illus. Jl. 1933. (100Il6S)
Diseases: p.259.

Robbins, W. J.
Botany. Rep. Missouri Agr. Exp. Stat. 1931/32 (Bull. 328):2 5-26. Jl. 1933(100M693)

Ballou, F. H. & Lewis, I. P.
Dusting versus spraying apple orchards in Ohio. Ohio Agr. Exp. Stat. Bull. 527. 17 p. illus. Ag. 1933. (100h3S)

Texas agricultural experiment station.
Plant pathology and physiology. In its Ann. Rep. 45(1932): 58-79. [1933] (100T31S)
J. J. Taubenhaus chief.

State Publications.

Ball, W. S.
Artichoke thistle (Cynara cardunculus L.) Month. Bull. Dept. Agr. Calif. 22: 269-272. illus. Je. 1933. no.6.

Ball, W. S. & Robbins, W. W.
Camel thorn. Alhagi camelorum (Fisch.) Month. Bull. Dept. Agr. Calif. 22: 258-259. col.pl. Je. 1933. no.6.

Ball, W. S. & Robbins, W. W.
Perennial sow thistle (Sonchus arvensis L.) Month. Bull. Dept. Agr. Calif. 22: 286. col.pl. Je. 1933. no.6.

Ball, W. S.
Poverty weed (Iva axillaris Pursh.) Month. Bull. Dept. Agr. Calif. 22: 305. col. pl. Je. 1933. no.6.

Ball, W. S. & Robbins, W. W.
Spiny clotbur. (Xanthium spinosum L.) Month. Bull. Dept. Agr. Calif. 22: 278. col.pl. Je. 1933. no.6.

State Publications (cont.)

Ball, W. S., Robbins, W. W. & Bellue, M. K.
The star thistles (Centaurea spp.) Month. Bull. Dept. Agr. Calif. 22: 294-298. illus., 3 col.pl. Je. 1933. no.6.

Ball, W. S.
Weed control. Month. Bull. Dept. Agr. Calif. 22: 252-257. Je. 1933. no. 6.

Bellue, M. K.
New weeds confused with hoary cress. Month. Bull. Dept. Agr. Calif. 22: 288-293. illus., pl. Je. 1933. no.6.
Lepidium repens, L.draba repens, Hymenophysa pubescens.

Bottel, A. E.
Introduction and control of camel thorn. Alhagi camelorum (Fisch). Month. Bull. Dept. Agr. Calif. 22: 261-263. illus. Je. 1933. no.6.

Bunting, L.
Noxious weed seeds found in crop seeds. Month. Bull. Dept. Agr. Calif. 22: 283-285. Je. 1933. no.6.

Crafts, A. S.
Progress in chemical weed control. Month. Bull. Dept. Agr. Calif. 22: 264-268. Je. 1933. no.6.

Goodwin, P. M.
Weed control by means of soil sterilization. Month. Bull. Dept. Agr. Calif. 22: 299-301. illus. Je. 1933. no.6.

Goss, W. L.
Buried seed experiment. Month. Bull. Dept. Agr. Calif. 22: 302-304. Je. 1933. no.6.

Harris, M. R. & Stout, G. L.
Weeds as a factor in the spread of plant diseases in California. Month. Bull. Dept. Agr. Calif. 22: 273-277. Je. 1933. no. 6.

New books.

Appfel, H.

Beiträge zur wassergehaltsbestimmung von cellulosehaltigen faserstoffen. Bückeberg, H. Prinz, 1932. (387.1Ap4)

Inaug.-diss. - Techn. Hochsch. Darmstadt.

Banzer, G. L.

Beiträge zur systematik der gattung Pedicularis unter berücksichtigung des vorkommens von saponin. Ohlau i Schl., Spezialdruckerei für dissertationen Dr. H. Eschenhagen, 1932. (463.2B22)

Inaug.-diss. Berlin.

Fischer, H.

Beiträge zur physiologie einiger papilionaceen mit besonderer berücksichtigung von Phaseolus multiflorus. München, 1932. (463.5F526)

Inaug.-diss. Techn. Hochsch. München.

Jones, M. E.

Extracts from Contributions to western botany. no.18. p.23-85. Ag.23, 1933. (455.8J71C)

Full no. probably to be issued about Jan. 1934.

Klein, G.

Handbuch der pflanzenanalyse 4. bd. Specielle analyse, 3. teil, Organische stoffe III. 2 v. Wien, J. Springer, 1933. (463.2K672)

Liese, H.

Der einfluss von boden und klima auf den bestand der weiden und wiesen der Insel Rügen. Stolp i Pom., Druck der Delmanzoschen buchdruckerei, [1932?] (60.1L62)

Inaug.-diss. Landw. Hochsch. Berlin.

Müller, W.

Wechselseitige uebertragbarkeit der verschiedenen viruskrankheiten des tabaks, der tomate und der kartoffel innerhalb der familie der solanaceen. Bonn, Verein studentenwodl e. V., 1930. (464.32M91)

Inaug.-diss. Landw. Hochsch. Bonn-Poppelsdorf.

Palmer, H. E.

Are the seeds of the tung oil tree poisonous when eaten by man or animal? [n.p.] 1933. (Pamph.391P)

Reprinted from the Journal of the Florida medical association for July, 1933.

New Books (cont.)

Stütz, H.
Ueber den einfluss verschiedenartiger lagerung auf die hartschaligkeit von kleesamen. Hamburg, 1933. (61St9).
Inaug.-diss. Hamburg.

Uittien, H. & Geerling, L. C.
Cultuurproeven met struikheide (Calluna vulgaris Salisb.) with summary in English. [n.p.] 1932. (97.31Ui7)
Overgedrukt uit het Ned. Boschbouw-Tijdschrift Dec.1932. At head of title: Korte Mededeelingen van het Rijksboschbouwproefstation.

Wettstein, R.
Handbuch der systematischen botanik. 4., umgearb. aufl. v.1. Leipzig & Wien, F. Deuticke, 1933. (452W53)

Reprints from publications not yet rec'd or not available.

Ernst, A.
Ergebnisse der ... von Professor Dr. Alfred Ernst und Dr. Marthe-Ernst-Schwarzenbach ausgeführten Indo-Malayischen forschungsreise (28.Juli 1930 bis 16. April 1931) I. Reise- und forschungsprogramme und bericht. Reprinted from Arch. Julius Klaus-Stift. Vererbungsforsch., Sozialanthr. & Rassenhyg. 7: 203-240. illus. 1932 (460.13Er6)

BOTANY
CURRENT LITERATURE

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D.C.

LIBRARY
RECEIVED
★ NOV 3 - 1933 ★
U. S. Department of Agriculture

Vol. 15, no. 21. Oct. 9/21, 1933.

Agr. Journ. Dept. Sci. & Agr. Barbados. (8B23)
Hardy, F.
Some aspects of the flora of Barbados. (concl.) Agr. Journ. Dept. Sci. & Agr. Barbados 2(1/2): 45-76. Ap. 1933.

Amer. Orchid Soc. Bull. (80Am329)
Ames, O.
Friedrich Richard Rudolf Schlechter, 1872-1925. Amer. Orchid Soc. Bull. 2: 21. port. S. 1933. no.2.

Ames, O.
A remarkable record for Cypripedium parviflorum var. pubescens. Amer. Orchid Soc. Bull. 2: 27-28. illus. S. 1933. no.2.
In a garden in Peterborough, N.H.

Frackowiak, E.
Asymbiotic culture of orchids using sterilized air. Amer. Orchid Soc. Bull. 2: 34. illus. S. 1933. no.2.

Pring, G. H.
Botanical orchards. Amer. Orchid Soc. Bull. 2: 29-31. illus. S. 1933. no.2.

Wherry, E. T.
Native orchids. Our native orchids and their cultivation. 3. The pink slipper orchids. Amer. Orchid Soc. Bull. 2: 32-33. illus. S. 1933. no.2.

Ann. Crypt. Exot. (Paris) (450An74)
Bouly de Lesdain, M.
Lichens de l'etat de New-Mexico (U.S.A.) recueillis par le Frère G. Arsène Brouard. Ann. Crypt. Exot. 5: 89-139. O. 1932. no.2.

Bouley de Lesdain, M.
Lichens de la Louisiane recueillis par les frères G. Arsène et Néon. Ann. Crypt. Exot. 6: 49-58. Jl. 1933. no.1.

Ann. Crypt. Exot. (cont.)

Bouriquet, G.
Les maladies du vanillier à Madagascar. Ann. Crypt. Exot. 6: 59-78. illus., pl. ii-vii. Jl. 1933. no.1.

Chow, C. H.
Septobasidium lanatum, nov.spec. Ann. Crypt. Exot. 5: 68-70. illus., pl.ii. O. 1932. no.2.
On tea plant.

Darbishire, O. V.
A new genus of Roccellaceae. Ann. Crypt. Exot. 5: 153-159. pl. iii. D. 1932. no.3/4.
Roccellodea nigerrima.

Darbishire, O. V.
Roccella DC. and Usnea Ach. Ann. Crypt. Exot. 5: 160-166. pl. iv. D. 1932. no.3/4.
Roccella hereroensis & R. mossamedana become Usnea hereroensis & U. mossamedana.

Decary, R.
Madagascar son climat, sa végétation. Ann. Crypt. Exot. 5: 71-88. illus. (maps) O. 1932. no.2.

Dodge, C. W.
Roland Thaxter 1858-1932. Ann. Crypt. Exot. 6: 5-12. Jl. 1933. no.1.

Frémy, P.
Cyanophycées de la Nouvelle-Guinée. Ann. Crypt. Exot. 5: 190-197. illus. D. 1932. no.3/4.

Kufferath, H.
Quelques desmidiées du Congo Belge. Ann. Crypt. Exot. 5: 276-281. illus. D. 1932. no.3/4.

Magnusson, A. H.
Supplement to the monograph of the genus Acarospora. Ann. Crypt. Exot. 6: 13-48. Jl. 1933. no.1.

Potier de la Varde, R.
Récoltes bryologiques en Afrique Équatoriale Française. Ann. Crypt. Exot. 5: 53-67. illus. O. 1932. no.2.

Ann. Crypt. Exot. (cont.)

Thériot, I.

Mousses de la Chine orientale. Ann. Crypt. Exot. 5: 167-189. illus. D. 1932. no.3/4.

Zahlbruckner, A.

Lichenes in Africa lecti. Ann. Crypt. Exot. 5: 198-275. D. 1932. no.3/4.

Ann. Géogr. (Paris) (473An75)

Caubet, P.

La canne a sucre a l'Ile Maurice. Ann. Géogr. 42:516-528. illus. (maps). S.15, 1933. no.239.

Ann. Mus. Colon. Marseille (410.9M35)

Gaffier, L.

L'anatomie des feuilles des caféiers sauvages de Madagascar. Ann. Mus. Colon. Marseille 41(V,1), f.4. p.15-27. 1933.

Jumelle, H.

Caféiers sauvages de Madagascar. Ann. Mus. Colon. Marseille 41(V,1), f.4, p.5-14. 1933.

C. dubardi, C. diversifolia n.spp.

Rossi, J.

Etudes chimiques sur des cafés de Madagascar. Ann. Mus. Colon. Marseille 41(V,1), f.4. p.29-41. 1933.

... les quatre cafés indigènes de Madagascar que nous avons étudiés ont des graines absolument dépourvues de caféine, ... [C. mogeneti, C. diversifolia, C. dubardi, C. perrieri]

Ann. Univ. Stellenbosch (Capetown) (515St3)

Du Plessis, S. J.

Die morphologiese eienskappe en die parasitisme van verskillende Fusaria op aartappels. Ann. Univ. Stellenbosch v.11,A, no.3. 24 p. 4 pl. Ag. 1933.

English summary: p.21.

Ann. Missouri Bot. Gard. (St. Louis) (451M69)

Dodge, C. W.

The foliose and fruticose lichens of Costa Rica. I. Ann. Missouri Bot. Gard. 20: 373-467. fold. map. S. 1933. no.3.

Ann. Missouri Bot. Gard. (cont.)

Moore, M.
A neutral (?) strain of Mucor sphaerosporus from Missouri. Ann. Missouri Bot. Gard. 20: 469. S. 1933. no.3.

Moore, M.
A study of Endomyces capsulatus Rewbridge, Dodge and Ayers: a causative agent of fatal cerebrospinal meningitis. Ann. Missouri Bot. Gard. 20: 471-552. illus., pl.16-23. S. 1933. no.3.

Ann. So. Afr. Mus. (515So82)

Pocock, M. A. & Power, J. H.
Volvox and associated algae from Kimberley. Ann. So. Afr. Mus. 16: 473-521. illus., pl. xxv-xxxvii. Jl. 1933. no.3.
V. gigas, Sphaerocystis poweri, Kirchneriella africana, n.spp.

Pocock, M. A.
Volvox in South Africa. Ann. So. Afr. Mus. 16: 523-646. illus., pl.xxxviii-xlix. Jl. 1933. no.3.

Rich, F. & Pocock, M. A.
Observations on the genus Volvox in Africa. Ann. So. Afr. Mus. 16: 427-471. illus., pl.ix-xxiv. Jl. 1933. no.3.
V. amboensis n.sp.

Ann. Rep. Agr. & Hort. Res. Stat. Univ. Bristol (84B77)

Kearns, H. G. H., Marsh, R. W. & Pearce, T. J. P.
Experiments with combined insecticide-fungicide sprays for apples. Progress report. Ann. Rep. Agr. & Hort. Res. Stat. Univ. Bristol 1932: 66-85. [1933]

Marsh, R. W.
Trials with a "colloidal" copper spray fluid. Ann. Rep. Agr. & Hort. Res. Stat. Univ. Bristol 1932: 86-89. [1933]
On apples & black currants.

Ogilvie, L.
The control of hard rot of strawberry fruits. Ann. Rep. Agr. & Hort. Res. Stat. Univ. Bristol 1932: 102. [1933]

Ann. Rep. Agr. & Hort, Res. Stat. Univ. Bristol (cont.)
Ogilvie, L. & Pearson, C. E.
Downy mildew of hops in the Bristol province in 1932. Ann. Rep. Agr. & Hort. Res. Stat. Univ. Bristol 1932: 123-124. [1933]
Already entered from Journ. Bath & West & South Co. Soc. Agr. s.6, v.7.

Ogilvie, L. & Hutchinson, H. P.
Melampsora amygdalinae, the rust of basket willows (Salix triandra) I-II. Ann. Rep. Agr. & Hort. Res. Stat. 1932: 125-130, 131-138. [1933]
I. Observations and experiments in 1932. II. Spore germination experiments.

Ogilvie, L.
Progress report on vegetable diseases. IV. Ann. Rep. Agr. & Hort. Res. Stat. Univ. Bristol 1932: 103-120. 3 pl. [1933]
Already entered from Journ. Bath & West & South Co. Soc. Agr. s.6, v.7.

Ogilvie, L.
Ring spot or spotted wilt of tomatoes and ornamental plants. Ann. Rep. Agr. & Hort. Res. Stat. Univ. Bristol 1932: 121-122. 2 pl. [1933]

Swarbrick, T. & Thompson, C. R.
Some observations upon the partial sterility of the Oberschlesien strawberry and its failure to pollinate Tardive de Leopold. Ann. Rep. Agr. & Hort. Res. Stat. Univ. Bristol 1932: 24-31. 3 pl. [1933]

Ann. Rep. Dept. Agr. Malta (16M29)
Borg, P.
Report on the work done in plant pathology 1932-33. Ann. Rep. Dept. Agr. Malta 1932-33 p.xiv-xviii. 1933.

Ann. Rep. East African Agr. Res. Stat., Amani (108Ea72)
Storey, H. H.
Report of plant pathologist. Ann. Rep. East African Agr. Res. Stat. Amani 5(1932/33): 13-17. 1933.
Virus disease investigations.

Ann. Rep. Rubber Res. Inst. Malaya (Kuala Lumpur) (78.8R824A)
Sharples, A.
Annual report, pathological division. Ann. Rep. Rubber Res. Inst. 1932:94-102. Ag. 1933.

Arb. Inst. Allg. Bot. Univ. Zürich (451Z8)
Ernst-Schwarzenbach, M.
Zur genetik und fertilität von Lactuca sativa L. und Cichorium endiva L. Arb. Inst. Allg. Bot. Univ. Zürich s.2, no.15, 35 p. illus. 1932.
Reprinted from Arch. Julius Klaus-Stift. Vererbungsforsch. v.7.

Arch. Exp. Path. u. Pharm. (Leipzig) (448.8Ar2)
Starkenstein, E. & Wasserstrom, T.
Pharmakologische und chemische untersuchugen über die wirksamen bestandteile der Urtica dioica und Urtica urens. Arch. Exp. Path. u. Pharm. 172: 137-148. illus. S.19, 1933. no.1/2.

Arch. Pharm. & Ber. Deut. Pharm. Ges. (Berlin) (396.8Ar2A)
Dieterle, H. & Kaiser, P.
Ueber die inhaltsstoffe des rhizoms von Curcuma domestica (Temoe lawak). I. Arch. Pharm. & Ber. Deut. Pharm. Ges. 270: 413-418. O. 1932. no.7.

Beitr. Biol. Pflanz Cohn (Breslau) (450C66)
Bigalke, H.
Die blattspodogramme der Urticaceae und ihre verwendbarkeit für die systematik. Beitr. Biol. Pflanz. Cohn 21: 1-58. pl.i-v. 1933. no.1.

Regel, C.
Pflanzensoziologische studien aus dem nördlichen Russland. II. Die tundra am südufer des weissen meeres und das problem der sekundären tundren. Beitr. Biol. Pflanz. Cohn 21: 117-131. 1933. no.1.

Woesler, A.
Entwicklungsgeschichtliche und cytologische untersuchungen an den vorkeimen einiger laubmoose, sowie einige beobachtungen über die entwicklung ihrer stämmchen. Beitr. Biol. Pflanz. Cohn 21: 59-116. illus., pl.vi-xii. 1933. no.1.

Better Fruit (Portland, Ore.) (80B46)
Shamel, A. D., Pomeroy, C. S. & Bregger, J. T.
Apple bud variations. (concl.) Better Fruit 28(4): 3-4. O. 1933.

Biochem. Zeitschr. (Berlin) (384B522)

Euler, H. v. & Sjöman, B.

Dipeptid-spaltung in keimenden chlorophyll-mutanten der gerste. Biochem. Zeitschr. 264: 237-245. S.14, 1933. no.4/6.

Popoff, M. & Stefanowa, M.

Ueber die hebung des atmungskoeffizienten bei stimulierten samen. Biochem. Zeitschr. 264: 434-436. S.14, 1933. no.4/6.

Bot. Mag. Tokyo (450B651)

Akiyama, S.

On the systematic anatomy of the leaves of some Japanese Carices. II. Bot. Mag. Tokyo 47: 532-550. illus. Jl. 1933. no.559.

Japanese.

Emoto, Y.

Studien über die physiologie der schwefel-oxydierenden bakterien. (cont.) Bot. Mag. Tokyo 47: 495-531, 567-588. Jl., Ag. 1933. no.559, 560.

Emoto, Y.

Ueber die in Japan noch nicht bekannten myxomyceten. III. Bot. Mag. Tokyo 47: 602-606. illus. Ag. 1933. no.560.

Japanese with German résumé: p.605-606.

Kosuge, S.

On the distribution of electric potential gradients in the root of Vicia faba. Bot. Mag. Tokyo 47: 589-601. illus. Ag. 1933. no.560.

Japanese.

Ono, T.

Chromosomes of Rumex hastatus. Bot. Mag. Tokyo 47: 558. illus. Jl. 1933. no.559.

Japanese.

Takagi, F.

Ueber die chromosomenzahlen bei einigen Amarantus-arten. Bot. Mag. Tokyo 47: 556-557. illus. Jl. 1933. no.559.

Japanese.

Yamura, A.

Karyologische und embryologische studien über einige bambus-arten. Bot. Mag. Tokyo 47: 551-555. illus. Jl. 1933. no.559.

Japanese with German résumé: p.555.

Vorläufige mitteilung.

Bryologist (Pittsburg) (450B84)

Ammons, N.
Bryophytes of McKinney's cave. Bryologist 36: 16-19. illus. Ja./Jl. 1933(Oct.) no.1/4.
In Preston Co., W.Va.

Andrews, A. L.
Hymenostomum in North America. V. Weisia viridula. Bryologist 36: 28-31. Ja./Jl. 1933.(Oct.) no.1/4.

Bailey, J. W.
Mosses found near summer snowbanks. Bryologist 36: 8-11. Ja./Jl. 1933(Oct.) no.1/4.
Cascade Mts. east of Puget Sound, Washington.

Bailey, J. W.
Three unreported mosses from Washington state. Bryologist 36: 13-14. Ja./Jl. 1933(Oct.) no.1/4.
Discelium nudum, Zygodon viridissimus, Brachythecium rutabulum flavescens.

Conard, H. S.
Mounting mosses with two cover slips. Bryologist 36: 2-3. illus. Ja./Jl. 1933(Oct.) no.1/4.

Dixon, H. N.
Amblystegium boreale Dix. sp.nov. Bryologist 36: 4. illus. Ja./Jl. 1933(Oct.) no.1/4.

Flowers, S.
Grimmia alpicola var. latifolia Zett. Bryologist 36: 27. Ja./Jl. 1933(Oct.) no.1/4.

Flowers, S.
Mosses of the Great Salt Lake region. Bryologist 36: 34-43. pl.ii. Ja./Jl. 1933(Oct.) no.1/4.

Flowers, S.
On fossil mosses. Bryologist 36: 26-27. Ja./Jl. 1933(Oct.) no.1/4.

Grout, A. J.
Hygroamblystegium macroneuron n.sp. Bryologist 36: 1-2. illus. Ja./Jl. 1933(Oct.) no.1/4.

Bryologist (cont.)

Grout, A. J.
Miscellaneous notes on mosses. Bryologist 36: 25-26. Ja./Jl. 1933(Oct.) no.1/4.

Porter, C. L.
The bryophytes of Wyoming. I. Hepaticae. Bryologist 36: 5-8. Ja./Jl. 1933(Oct.) no.1/4.

Sharp, A. J.
Three new mosses from Tennessee. Bryologist 36: 20-22. pl. i. Ja./Jl. 1933(Oct.) no.1/4.
Tortula propagulosa, Fabronia imperfecta n.spp. Hylocomium splendens, var. tenue, var.nov.

Steere, W. C.
The association of Bartramia pomiformis and Aulacomnium heterostichum. Bryologist 36: 14-15. Ja./Jl. 1933(Oct.) no.1/4.

Steere, W. C.
Notes on the mosses of southern Michigan. II. Bryologist 36: 24. Ja./Jl. 1933(Oct.) no.1/4.

Watson, W.
The evolutionary aspects of some xerophytic adaptions in the Bryophyta. Bryologist 36: 32-34. Ja./Jl. 1933(Oct.) no.1/4.

Welch, W. H.
Ecological relationships of the most common mosses in a certain vicinity near Bloomington, Indiana. Bryologist 36: 11-13. Ja./Jl. 1933. (Oct.) no.1/4.

Bull. Inst. Agron. Stat. Rech. Gembloux (105.1G285)

Manil, P.
Contribution à l'étude d'une maladie bactérienne du tabac, constatée en Belgique. Bull. Inst. Agron. Stat. Rech. Gembloux 2: 245-268. pl. i-iii. Ag. 1933. no.3.
Summaries in Flemish, German and English.
Of the wildfire type tho the bacterium differs in some characters from Bact. tabacum.

Bull. Misc. Inform. Kew (London) (89K51B)

Fisher, C. E. C.
Contributions to the flora of Burma. XI. Bull. Misc. Inform. Kew 1933: 364-366. 1933. no.7.
Palaquium sukoei n.sp.

Fischer, C. E. C.
New or little-known plants from South India. II. Bull. Misc. Inform. Kew 1933: 339-357. illus. 1933. no.7.

Howes, F. N.
Variability in stock-poison plants. Bull. Misc. Inform. Kew 1933: 305-321. 1933. no.7.

Marsden-Jones, E. M. & Turrill, W. B.
Researches on Silene maritima and S. vulgaris. XI. Bull. Misc. Inform. Kew. 1933: 357-362. pl.xiv-xvi. 1933. no.7.

Sandwith, N. Y.
Contributions to the flora of tropical America. XVI. New species and first records from British Guiana, mainly collected by Mr. T.A.W. Davis. Bull. Misc. Inform. Kew 1933: 323-339. 1933. no.7.

Sprague, T. A. & Sandwith, N. Y.
Contributions to the flora of tropical America. XV. The genus Ceratophytum. Bull. Misc. Inform. Kew 1933: 321-323. 1933. no.7.

Sprague, T. A.
The dates of Hooker's "Companion to the Botanical magazine". Bull. Misc. Inform. Kew 1933: 362-364. 1933. no.7.

Bull. New Zeal. Dept. Agr. (23N48Bu)

Deem, J. W.
Control of ragwort on grassland. Bull. New Zeal. Dept. Agr. 160. 7 p. S. 1933.
The spraying and dry-dusting methods of using sodium chlorate.

Bull. Sci. Pharm. (Paris) (396.8B872)

Gillot, P.
Recherches sur les graines de l' Euphorbia exigua L. Bull. Sci. Pharm. 40: 449-453. Ag./S. 1933. no.8/9.

Bull. Sci. Pharm. (cont.)

Mascré, M. & Génot, H.

Nouvelles expériences sur la culture de la lobélie (Lobelia inflata L.) Bull. Sci. Pharm. 40: 453-459. Ag./S. 1933. no.8/9.

Bull. Soc. Bot. France (Paris) (451F84B)

Benoist, R.

Descriptions d'espèces nouvelles de phanérogames sudaméricaines. Bull. Soc. Bot. France 80: 333-336. S.10, 1933. no.5/6.

Tovomita aequatoriensis, Saurauja mojandensis, S. hypomalla, Matisia coloradorum, Salacia colasi.

Benoist, R.

La phyllotaxie chez quelques espèces de caryophyllacées et de valérianacées. Bull. Soc. Bot. France 80: 367-371. S.10, 1933. no.5/6.

Camus, A.

Espèces et variétés nouvelles de genre Quercus. Bull. Soc. Bot. France 80: 353-355. S.10, 1933. no.5/6.

Q. brevistyla, Q. patkoiensis, Q. gambleana, Q. daichangensis n.spp.

Chaze, J.

Les saprolégniacées: leur importance dans les études cytologiques et physiologiques depuis 1924. Nouvelle technique de culture pure de ces champignons. Bull. Soc. Bot. France 80: 323-326. S.10, 1933. no.5/6.

Gagnepain, F.

Espèces nouvelles de marantacées, orchidacées, apostasiacées. Bull. Soc. Bot. France 80: 348-352. S.10, 1933. no.5/6.

Haemaria pauciflora, H. petelotii, Apostasia thorelii. Neuwieda annamensis, N. balansae (H.Bn. mss.), Schaenomorphus Thorel n.g., S. capitatus.

Léandri, J.

Nouveaux Phyllanthus de Madagascar (euphorbiacées). Bull. Soc. Bot. France 80: 371-373. illus. S.10, 1933. no.5/6.

P. bathianus, P. betsileanus, P. philippioides.

Bull. Soc. Bot. France (cont.)

Lecoq, R.

Valeur alimentaire et richesse en vitamines des dattes muscades. Bull. Soc. Bot. France 80: 338-348. S.10, 1933. no.5/6.

Mascré, M. & Picard, P.

Action de l'éther et du chloroforme sur la structure de la cellule végétale (racines d'Allium sativum L.) Bull. Soc. Bot. France 80: 326-333. pl.i-ii. S.10, 1933. no.5/6.

Prat, H.

Remarques sur la position systématique du genre Jouvea Forun. et sur les limites de la tribu des hordées. Bull. Soc. Bot. France 80: 357-367. illus. S.10, 1933. no.5/6,

Bull. Soc. Hist. Nat. Afr. Nord. (Algier) (410.9So125)

Ducellier, L.

Observations sur la descendance du géranium rosat. Bull. Soc. Hist. Nat. Afr. Nord. 24: 142-148. illus. Je.1933. no.6.

Soó, R. de

Sur les dactylorchidées de l'Afrique septentrionale. Bull. Soc. Hist. Nat. Afr. Nord 24: 169-175. Je.1933. no.6.

Bull. Soc. Mycol. France (Paris) 451P213)

Henry, R.

Cortinarius (Telamonia) paleaceus (Fr.) Bull. Soc. Mycol. France 49: 207-217. illus. S.20, 1933. no.2.

Henry, R.

Un nouveau cortinaire du groupe des Scauri: C. (Phl.) dionysae (n.sp.) Bull. Soc. Mycol. France 49: 230-240. pl.x. S.20, 1933. no.2.

Josserand, M. & Kuhner, R.

Un marasme peu commun: Marasmius torquescens Q. Bull. Soc. Mycol. France 49: 218-224. illus. S.20, 1933. no.2.

Konrad, P. & Favre, J.

Quelques champignons des hauts-marais tourbeux du Jura. Bull. Soc. Mycol. France 49: 190-203. S.20, 1933. no.2.

Bull. Soc. Mycol. France (cont.)
Moreau, F. & Moruzi, C.
Sur quelques variations de la fertilité chez les Neurospora hétérothalliques. Bull. Soc. Mycol. France 49: 204-206. S.20, 1933. no.2.

Pilat, A. & Vesely, R.
De Lentino suavissimo Fries. Bull. Soc. Mycol. France 49: 225-229. pl.ix. S.20, 1933. no.2.

Bull. So. Calif. Acad. Sci. (Los Angeles) (500So8)
Pierce, W. M. & Fosberg, F. R.
Notes on southwestern cacti. Bull. So. Calif. Acad. Sci. 32: 121-126. S./D. 1933. no.3.

Bull. Techn. & Sci. Serv. Min. Agr. Egypt (24Eg93)
Brown, C. H., Selim, A.E.G. & Youssef,A.
Hair weight target diagrams in cotton breeding. Bull. Techn. & Sci. Serv. Min. Agr. Egypt 125. 3 p. diagrs. 1933.

Bull. Utsunomiya Agr. Coll. Japan (107.6Ut72)
Watanabe, T.
Studies on some characters of Corticium centrifugum parasitic on calabash plant. Bull. Utsunomiya Agr. Coll. Japan 3: 1-16, pl. i, fold.tab. Jl. 1933.

Watanabe, T.
Vitality of Corticium centrifugum parasitic on calabash plant. Bull. Utsunomiya Agr. Coll. Japan 3: 17-27. Jl. 1933.

Cactus (Mont St. Amand, Belg.) (450C112)
Backeberg, C.
Lobivia wegheiana Bckbg. n.sp. Cactus (Mont St.Amand, Belg.) 3(5): 8-9. illus. O. 1933.

Van de Weghe, G.
Notes sur la classification des cactées. Les Cylindropuntias (cont.) Cactus (Mont St.Amand, Belg.) 3(5): 10-11. Oct. 1933.

O Campo (Rio de Janeiro) (9.9C15)
Kuhlmann, J. G.
Nota prévia: Aspidosperma longipetiolatum Kuhlm sp. n. (Apocinacea) O Campo 4(8): 49. illus. Ag. 1933.

O Campo (cont.)

Kuhlmann, J. G.
A oiticica verdadeira e seus homonimos.
O Campo 4(8): 16-17. illus. Ag.1933.
Licania rigida, Couepia grandiflora, Clarisia racemosa.

Pesce, C.
Sementes oleaginosas da Amazónia. O Campo 4(8): 54-56. illus. Ag.1933.

Canad. Journ. Res. (Ottawa) (330.9C16C)

Bell, H. P. & MacFarlane, C.
The marine algae of the maritime provinces of Canada. I. List of species with their distribution and prevalence. II. A study of their ecology. Canad. Journ. Res. 9: 265-279, 280-293. illus., (maps) S.1933. no.3.

Dowding, E. S.
Gelasinospora, a new genus of Pyrenomycetes with pitted spores. Canad. Journ. Res. 9: 294-305. illus., pl. i-iii. S. 1933. no.3.
G. tetrasperma, G. cerealis.

Peto, F. H.
The effect of aging and heat on the chromosomal mutation rates in maize and barley. Canad. Journ. Res. 9:261-264. S. 1933. no.3.

China Journ. (Shanghai) (475C44)

Porterfield, W. M.
Lawn and roadside plants of Shanghai. (cont.) China Journ. 19: 145-151. illus. S. 1933. no.3.

Compt. Rend. Acad. Sci. Paris (505P21)

Dughi, R.
La formation et le rôle des papilles scortéales chez les lichens. Compt. Rend. Acad. Sci. Paris 197: 695-697. O.2, 1933. no.14.

Volkonsky, M.
Sur l'assimilation des sulfates par les champignons: euthiotrophie et parathiotrophie. Compt. Rend. Acad. Sci. Paris 197: 712-714. O.2, 1933. no.14.

Contr. Arnold Arb. (451Ar6C)
Standley, P. C.
The flora of Barro Colorado Island, Panama. Contr. Arnold Arb. no.5. 178 p. xxi pl., map. 1933.

Costa Azzurra Agr. Flor. (Sanremo)
Rusconi, A.
Osservazioni e considerazioni sulla clorosi del pesco nell'Albenganese. Costa Azzurra Agr.-Flor. 13: 324-327. S. 1933. no.9.

Current Science (Bangalore) (475Sci23)
Asana, J. J.
Somatic chromosomes and microsporogenesis in cobra or snake lily, Arisaema murrayi (Araceae). Current Science 2: 100-101. S.1933. no.3.

Bhaduri, P. N.
A note on the "new type of fertilization" in plants. Current Science 2: 95-96. illus. S. 1933. no.3.

Bose, P. K. & Banerji, I.
The development of the female gametophyte and chromosome number of Argemone mexicana Linn. Current Science 2: 94. illus. S.1933. no.3.

Johri, B. M.
The life-history of Limnophyton obtusifolium Miq. Current Science 2: 99-100. S.1933. no.3.

Mahabale, T. S.
On the discovery of prothallus in Indian Ophioglossums. Current Science 2: 91. S. 1933. no.3.

Sayeeduddin, M. & Salaam, A.
Further observation on the distribution and associations of Lantana camara Linn in Hyderabad (Deccan). Current Science 2: 83-84. illus. S. 1933. no.3.

Curt. Bot. Mag. (450C94)
Curt. Bot. Mag. v.156, pt.4. col.pl. 9326-9336. O.2, 1933.
Rhododendron megacalyx, Cymbidium devonianum, Aeonium manriqueorum, Clematis ranunculoides, Chrysanthemum makinoi, Allium beesianum, Berberis tsarongensis, Iris helena, Cynoglossum amabile, Discaria crenata, Crossandra subacaulis.

Cytologia (Tokyo) (442.8C99)

Capinpin, J. M.

Studies on the genetics and cytology of triploid Oenotheras. Cytologia (Tokyo) 4: 355-426. illus. Ag. 1933. no.4.

Darlington, C. D.

The origin and behaviour of chiasmata. VIII. Secale cereale (n.8) Cytologia (Tokyo) 4: 444-452. illus. Ag. 1933. no.4.

Morinaga, T. & Fukushima, E.

Karyological studies on a spontaneous haploid mutant of Brassica napella. Cytologia (Tokyo) 4: 457-460. illus. Ag. 1933. no.4.

Daffodil Year-bk. Roy. Hort. Soc. (97D13)

Barr, P. R.

The renaissance of the daffodil in Britain. Daffodil Year-bk. Roy. Hort. Soc. 1933: 21-36. 3 ports.

Historical survey, includes biographical and bibliographical data.

Chittenden, F. J.

Mosaic disease of narcissi. Daffodil Year-bk. Roy. Hort. Soc. 1933: 72-73.

Wilson, G. L.

Yellow stripe. Daffocil Year-bk. Roy. Hort. Soc. 1933: 74-75.

?Virus.

Desert (Pasadena) (450D45)

Hilmers, C. F.

Some Sedum similarities. I-II. Desert (Padadena) 5: 76-77, 85-86. illus. S., O. 1933. no.5,6.

Schuldt, H.

Hoodia triebneri spec.nova. Desert (Pasadena) 5: 92. illus. O. 1933. no.6.

Ernähr. Pflanze (Berlin) (57.8Er6)

Blattný, C.
Kalimangelerscheinungen bei blumenkohl. Ernähr. Pflanze 29: 361-362. illus. 0.1, 1933. no.19.

Honcamp, F.
Die bedeutung des kaliums für den pflanzlichen und tierischen organismus. Ernähr. Pflanze 29: 353-357. 0.1, 1933. no.19.

Gard. Chron. (London) (80G162)

Behaviour of garden plants. XI. Pernettya mucronata. Gard. Chron. III, 94: 247. S.30, 1933. no.2440.

Ingram, C.
Gladiolus anorthanthus, Ingram; sp.nova. Gard. Chron. III, 94: 273. illus. 0.7, 1933. no.2441.

Redgrove, H. S.
Oraches. Gard. Chron. III, 94: 272. 0.7, 1933. no.2441.
Atriplex.

Standley, P. C.
Opuntia "invasion" in North America. Gard. Chron. III, 94: 275-276. 0.7, 1933. no.2441.
No invasion as far as writer knows (refers to statement in review of J.J. Thornber's "The fantastic clan".)

Stenning, H. W.
Antirrhinum rust. Gard. Chron. III, 94: 261. S.30, 1933. no.2440.

Ward, F. K.
Mr. F. Kingdon Ward's eleventh expedition in Asia. XXXVIII. Gloom over Asia. Gard. Chron. III, 94: 254-255. illus. S. 30, 1933. no.2440.

Gartenschönheit (Berlin) (80G199)

Arends, E.
Rosa rouleti, die kleinste rose der welt. Gartenschönheit 14: 138. illus. Jl.1933. no.7.

Blaschy,
Iris germanica und nächstverwandte kritisch-praktische betrachtungen und vorschläge. I-V. Gartenschönheit 14: 93-95, 113-14, 134-135, 155-156, 177-178. illus. My.-S.1933. no.5,6,7,8,9.

Gartenschönheit (cont.)

Geier, M.
Grossblumige clematis. I-II. Gartenschönheit 14: 102-103,130-131. illus. Je., Jl.1933. no.6,7.

Haase-Bessell, G.
Zur dahlienzüchtung. I. Gartenschönheit 14: 89. S.1933. no.9.

Lamsfuss, P.
Trollblumen. Gartenschönheit 14: 91-93. illus. (1 col.) My.1933. no.5.

Niklitschek, A.
Erkennungsmerkmale der seerosen. I. Gartenschönheit 14: 171-173. illus. S.1933. no.9.

Schneider, C.
Ilex aquifolium-formen. Gartenschönheit 14: 95-97. illus. My.1933. no.5.

Schneider, C.
Wintergrüne Cotoneaster. Gartenschönheit 14: 23-25. illus. F. 1933. no.2.

Schneider, O.
Zur älchenkrankheit des phloxes. Gartenschönheit 14: 73-75. Jl. 1933. no.7.

Seifert, A.
Algenbekampfung im seerosenbecken, I-II. Gartenschönheit 14: 73, 83. Jl., Ag. 1933. no.7,8.

Giorn. Risicolt. (Vercelli) (59.8G43)

Piacco, R.
Ipertrofia ed anomalie dell'infiorescenza maschile del mais causata dal carbone. Giorn. Risicolt. 23: 177-181. illus. Ag.31, 1933. no.8.

Hereditas (Lund) (442.8H42)

Akerlund, E.
Ein fall von naturselektion in einer kreuzungspopulation. Hereditas 18:16-32. illus. My.26, 1933. no.1/2.
Melandrium Album, M. rubrum.

Hereditas (cont.)

Akerman, A. & Mühlow, J.
Ueber die vererbung des ligulamerkmales beim hafer. Hereditas 18: 140-144. My.26, 1933. no.1/2.

Clausen, J.
Cytological evidence for the hybrid origin of Pentstemon neotericus Keck. Hereditas 18: 65-76. illus. My.26, 1933. no.1/2.

Euler, H. v., Burström, D. & Hellström, H.
Ueber die konstanz des chlorophyllgehaltes in drei chlorophyllmutanten. Hereditas 18: 225-244. My.26, 1933. no.1/2.

Gustafsson, A.
Chromosomenzahlen in der gattung Rubus. Hereditas 18: 77-80. illus. My.26, 1933. no.1/2.

Håkansson, A.
Die kongjugation der chromosomen bei einigen Salix-bastarden. Hereditas 18: 199-214. illus. My.26, 1933. no.1/2.

Hagerup, O.
Studies on polyploid ecotypes in Vaccinium uliginosum L. Hereditas 18: 122-128. illus. My.26, 1933. no.1/2.

Lamprecht, H.
Ein unifoliata-typus von Pisum mit gleichzeitiger pistilloidie. Hereditas 18: 56-64. illus. My.26, 1933. no.1/2.

Levan, A.
Cytological studies in Allium. III. Allium carinatum and Allium oleraceum. Hereditas 18: 101-114. illus. My.26, 1933. no.1/2.

Meurman, O.
Chromosome morphology, somatic doubling and secondary association in Acer platanoides L. Hereditas 18: 145-173. illus., pl.i-ii. My.26, 1933. no.1/2.

Müntzing, A.
Hybrid incompatibility and the origin of polyploidy. Hereditas 18: 33-55. My.26, 1933. no.1/2.

Hereditas (cont.)

Nilsson, E.
Paralleles auftreten von Tilletia-infektion und speltoidcharakter bei Triticum vulgare. Hereditas 18: 262-268. illus. My.26, 1933. no.1/2.

Nilsson, F.
Ein spontaner bastard zwischen Festuca rubra und Lolium perenne. Hereditas 18: 1-15. illus. My.26, 1933. no.1/2.

Nilsson-Leissner, G.
A preliminary inbreeding experiment in red fescue (Festuca rubra). Hereditas 18: 115-121. illus. My.26, 1933. no.1/2.

Rasmussen, J.
A contribution to the theory of quantitative character inheritance. Hereditas 18:245-261. My.26, 1933. no.1/2.

Rosén, D.
On a form of Geum urbanum L. x rivale L. with occasional white-green leaves. Hereditas 18: 81-90. illus. My.26, 1933. no.1/2.

Tjebbes, K.
Unterdrückte rezessivformen in gartenvarietäten von Viscaria. Hereditas 18: 174-180. illus. My.26, 1933. no.1/2.

Winge, Ö.
A case of amphidiploidy within the collective species Erophila verna. Hereditas 18: 181-191. illus. My.26, 1933. no.1/2.

Hilgardia (Berkeley, Calif.) (100C12H)

Davey, A. E. & Smith, R. E.
The epidemiology of fig spoilage. Hilgardia 7: 523-551. illus. Jl. 1933. no.13.

Jones, H. A. & Emsweller, S. L.
Methods of breeding oinions. Hilgardia 7: 625-642. illus. S.1933. no.16.

Hokkaido Agr. Exp. Stat. Kotoni, Sapporo, Japan. Bull.
(J107.6H68)

Kamio, T. & Miyazawa, H.

Chinese cabbage. Hokkaido Agr. Exp. Stat. Kotoni, Sapporo, Japan. Bull. 56. [45] p. illus. Jl. 1933.

Japanese.

Intern. Bull. Plant Prot. (464.8In8)

Noble, R. J.

Australia: Success in control of bunchy top disease of bananas in New South Wales. Intern. Bull. Plant Prot. 7:195. S. 1933. no.9.

Stevens, N. E.

United States of America: Disappearance of Zostera marina along the Atlantic Coast of North America. Intern. Bull. Plant Prot. 7: 195-196. S. 1933. no.9.

No evidence of any parasitism found by American investigators.

Ital. Agr. (Milan) (16Itl)

Bonaventura, G.

Tuberi epigei in Solanum tuberosum L. Ital. Agr. 70: 927-931. illus. S. 1933. no.9.

Crocioni, A.

Ricerche sulla sospensione dell'attività vegetativa negli stadi iniziali di sviluppo. Ital. Agr. 70: 937-949. illus. S. 1933. no.9.

Journ. Agr. Res. (Washington, D. C.) (1Ag84J)

Chapman, A. D.

Effect of steam sterilization on susceptibility of wood to blue-staining and wood-destroying fungi. Journ. Agr. Res. 47: 369-374. S.15, 1933(Rec'd O. 19) no.6.

Treated wood more susceptible.

Darrow, G. M. & Longley, A. E.

Cytology and breeding of Rubus macropetalus, the Logan, and related blackberries. Journ. Agr. Res. 47: 315-330. illus. S.1, 1933(Rec'd O.9) no.5.

Journ. Agr. Res. (cont.)

Filler, E. C.
Blister rust damage to Northern white pine at Waterford, Vt. Journ. Agr. Res. 47: 297-313. illus. S.1, 1933(Rec'd O.9) no.5.

Marshall, R. E.
An apparatus for the ready determination of areas of compound leaves. Journ. Agr. Res. 47: 437-439. illus. S.15, 1933(Rec'd O.19) no.6.

Melchers, L. E.
Belated development of kernel smut (Sphacelotheca sorghi) in apparently healthy sorghum plants. Journ. Agr. Res. 47: 343-350. illus. S.1, 1933(Rec'd O.9) no.5.

Melchers, L. E.
Physiologic specialization of Sphacelotheca cruenta (Kühn) Potter. Journ. Agr. Res. 47: 339-342. S.1, 1933(Rec'd O.9) no.5.

Traub, H. P. & Romberg, L. D.
Methods of controlling pollination in the pecan. Journ. Agr. Res. 47: 287-296. illus. S.1, 1933(Rec'd O.9) no.5.

Weimer, J. L.
Effect of environment and cultural factors on the dwarf disease of alfalfa. Journ. Agr. Res. 47: 351-368. illus. S.15, 1933(Rec'd O.19) no.6.

Journ. Amer. Chem. Soc. (381Am33J)

Hassid, W. Z.
The isolation of a sodium sulfuric acid ester of galactan from Irideae laminarioides (Rhodophyceae) Journ. Amer. Chem. Soc. 55: 4163-4167. illus. O. 1933. no.10.

Journ. & Proc. Roy. Soc. N.S.W. (Sydney) (514Sy24)

Bradfield, A.E., Penfold, A.R. & Simonsen, J.L.
The essential oil from the wood of Eremophila mitchelli (Bentham) Journ. & Proc. Roy. Soc. N.S.W. 66: 420-433. Mr.31, 1933. no.2.

Penfold, A. R. & Simonsen, J. L.
The essential oils of three species of Geijera and the occurrence of a new hydrocarbon, II. Journ. & Proc. Roy. Soc. N.S.W. 66: 332-338. Mr.31, 1933. no.2.

Journ. & Proc. Roy. Soc. N.S.W. (cont.)

Penfold, A. R. & Morrison, F. R.

The occurrence of a number of varieties of Eucalyptus radiata (E. numerosa) as determined by chemical analyses of the essential oils. I. Journ. & Proc. Roy. Soc. N.S.W. 66: 181-193, Mr.31, 1933. no.2.

Journ. Bombay Nat. Hist. Soc. (513B63)

Blatter, E. & Fernandez, J.

The flora of Waziristan. I. Journ. Bombay Nat. Hist. Soc. 36: 665-687. illus. (map), pl. Ag. 1933. no.3.

Blatter, E.

Revision of the flora of the Bombay Presidency. XXI. Journ. Bombay Nat. Hist. Soc. 36:524-537. ii pl. Ag. 1933. no.3.

Blatter, E. & Millard, W.S.

Some beautiful Indian trees. XII. Journ. Bombay Nat. Hist. Soc. 36: 521-523. illus., 2 pl. (1 col.) Ag. 1933. no.3.

Joshi, A. C.

Inflorescence of Asteracantha Nees. Journ. Bombay Nat. Hist. Soc. 36: 765-767. pl. Ag. 1933. no.3.

McCann, C.

The flying-fox (P. giganteus) and the palm squirrel (F. tristriatus) as agents of pollinization in (Grevillea robusta, A. Cunn.) the silky oak. Journ. Bombay Nat. Hist. Soc. 36: 761-764. illus. Ag. 1933. no.3.

Journ. Dept. Agr. Ireland (Dublin)

Murphy, P.A. & McKay, R.

Tests of certain dusts and ready-made sprays for the control of potato blight in comparison with Burgundy mixture. Journ. Dept. Agr. Ireland 32: 30-48. 2 pl. 1933. no.1.

I. Dusting versus spraying (1927-1930). II. Comparison of "Bouisol", a liquid copper preparation, with Burgundy mixture (1931-1932). III. General discussion on dusting and spraying.

Journ. Dept. Agr. Victoria (Melbourne) (23V66J)

Fish, S. & Greatorex, F. J.

The control of summer spot of pears. Journ. Dept. Agr. Victoria 31: 438-442. illus. S. 1933. no.9.

Progress report.

Journ. Elisha Mitchell Sci. Soc. (Chapel Hill, N.C.) (500E14)

Couch, J. N.
Basidia of Septobasidium (Glenospora) curtisii. Journ. Elisha Mitchell Sci. Soc. 49: 156-162. pl. 10-11. S. 1933. no.1.

Givler, J. P.
Occam's razor and Mendel's peas. Journ. Elisha Mitchell Sci. Soc. 49: 108-112. S. 1933. no.1.

Hatch, W. R.
Sexuality of Allomyces arbuscula Butler. Journ. Elisha Mitchell Sci. Soc. 49: 163-170. pl. 12. S. 1933. no.1.

Hesler, L. R.
Pleurotus tremulus Fr. and Secotium conicum n.sp. from Tennessee. Journ. Elisha Mitchell Sci. Soc. 49: 151-155. illus., pl.9. S. 1933. no.1.

Patterson, P. M.
A developmental study of Dumortiera hirsuta (SW.) Nees. Journ. Elisha Mitchell Sci. Soc. 49: 122-150. pl.4-8. S. 1933. no.1.

Poole, R. F.
Wind and sand injury to leaves and fruits. Journ. Elisha Mitchell Sci. Soc. 49: 171-175. pl.13-14. S. 1933. no.1.

Journ. Hered. (Washington) (442.8Am3)

Babcock, E. B.
John Belling, pioneer in the study of cell mechanics. Journ. Hered. 24: 297-300. illus., port. Ag. 1933. no.8.

Darrow, G. M. & Waldo, G. F.
Pseudogamy in blackberry crosses. Journ. Hered. 24: 313-315. Ag. 1933. no.8.
So-called "false seedlings" produced in hybrids between European and American varieties.

Journ. Imp. Agr. Exp. Stat. Nishigahara, Tokyo (107.6N63J)
Tasugi, H.
Studies on the physiology of the conidiophores, conidia and oospores of Sclerospora graminicola (Sacc.) Schroet. on the Japanese millet (Setaria italica (L.) Beauv.) Journ. Imp. Agr. Exp. Stat. Nishigahara, Tokyo 2: 225-262. pl.xiv-xvi. Mr. 1933. no.2.
Japanese with English résumé: p. 257-261.
Studies on Japanese Peronosporales.

Journ. Jamaica Agr. Soc. (Kingston) (8J823)
Larter, L. N. H.
Breeding for immunity. Journ. Jamaica Agr. Soc. 37: 447-449. S.1933. no.9.

Journ. Min. Agr. Gt. Brit. (10G79J)
Moore, M. H.
Spraying experiments on the control of pear scab at East Malling. Journ. Min. Agr. Gt. Brit. 40: 111-119. 2 pl. My. 1933. no.2.

Journ. Mysore Agr. & Exp. Union (22M993)
Venkatarayan, S. V.
Downy mildew, a serious disease of grape vines in Mysore. Journ. Mysore Agr. & Exp. Union 13: 107-110. pl. 1932. no.3.

Journ. N.Y. Bot. Gard. (89N48J)
Morris, R. T.
Poison ivy. Journ. N.Y. Bot. Gard. 34: 227-229. O. 1933. no.406.
Remedies and control.

Morris, R. T.
Willard G. Bixby. Journ. N.Y. Bot. Gard. 34: 229-230. O. 1933. no.406.
Died Ag.16, 1933, in 65th year.

Small, J. K.
Asiatic immigrants in the botanical garden. IV. Journ. N.Y. Bot. Gard. 34: 224-226. O. 1933. no.406.

Teuscher, H.
Trees and shrubs of the orient. III. The hardy Buddlejas. Journ. N. Y. Bot. Gard. 34: 209-218. illus. O.1933. no.406.

Journ. N.Y. Bot. Gard. (cont.)
Woodward, C. H.
Surveying for Dutch elm-disease. Journ. N.Y. Bot. Gard. 34: 222-224. O. 1933. no.406.

Journ. Soc. Trop. Agr. Japan. (Taiwan) (26So13)
Goto, K.
Onion rusts of Japan. I. Journ. Soc. Trop. Agr. Japan 5: 167-177. illus. Je. 1933. no.2.
Puccinia allii, P. porri.

Ishii, M.
On the carotinoids and some lipoids of Ipomoea reptans (L.) Poir. Journ. Soc. Trop. Agr. Japan 5: 192-197. Je. 1933. no.2.
Japanese.

Kanehira, R. & Sasaki, S.
An enumeration of Formosan trees in the Taihoku herbarium. VI. Journ. Soc. Trop. Agr. Japan 5: 154-156. Je. 1933. no.2.

Okabe, N.
Bacterial diseases of plants occurring in Formosa. III. Journ. Soc. Trop. Agr. Japan 5: 157-166. illus. Je. 1933. no.2.

Osima, Y. & Higasa, S.
Chemical studies on banana fruit. 1. On the ether extract of banana fruit. Journ. Soc. Trop. Agr. Japan 5: 213-223. Je. 1933. no.2.
Japanese.

Yamamoto, Y.
Observations ad floram Formosanam. VII. Journ. Soc. Trop. Agr. Japan 5: 178-184. illus. Je. 1933. no.2.

Journ. Washington Acad. Sci. (500W276J)
Hitchcock, A. S.
New species and new names of grasses from Texas. Journ. Washington Acad. Sci. 23: 449-456. O.15, 1933. no.10.
Vaseyochloa gen.nov., V. multinervosa.

Reed, C. B.
A new Trichopitys from the carboniferous of Colorado. Journ. Washington Acad. Sci. 23: 461-463. illus. O.15, 1933. no.10.
T. whitei.

Journ. Washington Acad. Sci. (cont.)

Swallen, J. R.

New grasses from the United States, Mexico, and Central America. Journ. Washington Acad. Sci. 23: 456-460. O.15, 1933. no.10.

Landw. Jahrb. (Berlin) (18L23)

Berkner, F. & Schröder, H.

Die ursachen des kartoffelschorfes und wege zu seiner bekämpfung. Landw. Jahrb. 78: 295-342. illus. 1933. no.2.

Steiner, H.

Ein beitrag zur frage der ueberwinterung von Puccinia triticina Erikss. und Puccinia dispersa Erikss. und beobachtungen über die entwicklung dieser roste auf ihren wirtspflanzen. Landw. Jahrb. 78: 259-278. 1933. no.2.

Landw. Versuchsst. (Berlin) (105.8L23)

Lepper, W.

Der nachweis von quecksilber in gebeiztem saatgut. Landw. Versuchsst. 117: 109-112. 1933. no.1/2.

Maataloustiet. Aikak. [Agric. Mag.] (Helsingfors) (20Su7M)

Kivinen, E.

Koivun- ja lepänlehtien typpipitoisuudesta kasvukauden kuluessa. (Ueber den stickstoffgehalt der blätter der birke und der erle während der vegetationsperiode). Maataloustiet. Aikak. [Agric. Mag.] 5: 108-115. illus. 1933. no.3.

German summary: p.114-115.

Pesola, V.A.

Maatiaissyysvehnään kohdistuneesta jalostustyöstä ja sen tuloksista. (The Finnish native winter wheat as breeding material). Maataloustiet. Aikak. [Agric. Mag.] 5: 97-107. 1933. no.3.

English summary: p.106-107.

Sauli, J. O.

Kauran lentonoki [Ustilago avenae (Pers.) Jens.] uusimpien tutkimuksien valossa. (Der haferflugbrand [Ustilago avenae (pers.) Jens.] in der beleuchtung von neueren untersuchungen). Maataloustiet. Aikak. [Agric. Mag.] 5: 89-96. 1933. no.3.

German summary: p.94-95.

Malayan For. (99.9M292)
Symington, C. F.
The study of secondary growth on rain forest sites in Malaya. Malayan For. 2: 107-117. S. 1933. no.3.

Mem. Ser. Cienc. Nat. Acad. Cienc. Madrid (506M26C)
Unamuno, L. M.
Esferopsidales conocidos de la Peninsula Ibérica y de las Islas Baleares. Familia de los esferioidáceos. Mem. Ser. Cienc. Nat. Acad. Cienc. Madrid v.4. 457 p. 1933.
Host index: p.429-457.

Möller's Deut. Gärtn.-Zeit. (Erfurt) (80M73)
Burchard, O.
Euphorbia canariensis L. Möller's Deut. Gärtn.-Zeit. 48: 325-326. illus. O.1, 1933. no.28.

Monatsh. Chem. (Vienna) (384M74)
Koller, G. & Pfeiffer, G.
Ueber enzyme der flechten und über die konstitution der umbilikarsäure. Monatsh. Chem. 62: 359-372. Ag. 1933. no.5/6.

Schmid, L. & Haschek, L.
Der gelbe dahlienfarbstoff. Monatsh. Chem. 62: 317-322. illus. Ag. 1933. no.5/6.

Nature (London) (472N21)
Berkeley, G. H.
Strawberry root rot in England. Nature 132: 570-571. O.7, 1933. no.3336.
Coniothyrium sp.

Moore, E. S.
Wildfire of tobacco on Nicandra physaloides. Nature 132: 517. S.30, 1933. no.3335.

New Flora & Silva (London) (80N422)
Adam, R. M.
Eriocaulon septangulare. New Flora & Silva 6: 60-63. pl.xxiv-xxv. O.1933. no.1.

Boothman, H. S.
Hybrids of Kabschia Saxifrages. New Flora & Silva 6: 51-59. pl.xxii-xxiii. O. 1933. no.1.

New Flora & Silva. (cont.)
Cooper, R. E.
Nomocharis in the garden. New Flora & Silva 6: 31-35. O. 1933. no.1.

Lawrence, W.
Mountain and woodland plants of Japan. New Flora & Silva 6: 3-7. pl.i-ii. O.1933. no.1.

Phillips, G. A.
Old and new brooms of the Cytisus group. New Flora & Silva 6: 64-69. O.1933. no.1.

Taylor, G.
Some Meconopsis hybrids. New Flora & Silva 6: 45-50. pl.xix-xxi. O. 1933. no.1.

Notes R. Bot. Gard. Edinb. (89Ed4)
Cowan, J. M.
The histroy of the Royal botanic garden, Edinburgh. Notes R. Bot. Gard. Edinb. v.19, no.91. 62 p. pl. Ag. 1933.

Pamphl. So. Afr. Biol. Soc. (410.9So8P)
Leemann, A. C.
Growth regulating substances. Pamphl. So. Afr. Biol. Soc. 6: 10-14. 1933.

Young, R. G. N.
An account of a botanical excursion through Northern Angola. Pamphl. So. Afr. Biol. Soc. 6: 25-32. 1933.

Pharm. Journ. (London) (396.8P49)
Wallis, T. E.
Starches of commerce. Pharm. Journ. 121(IV,77): 396-397. illus. S. 30, 1933. no.3648.

Pharm. Zeit. (Berlin) (396.8P496)
Merkenschlager, F.
Ueber das brom in der pflanzenpathologie. Pharm. Zeit. 78: 162. illus. F.11, 1933. no.12.

Pharm. Zentralh. (Dresden) (396.8P492)
Freise, F. W.
Brasilianische "kotorinden" und ihre stammpflanzen. Pharm. Zentralh. 74: 577-578. S.21, 1933. no.38.

Philipp. Agr. (Los Baños) (25P542)

Juliano, J. B.

Additional cyanophoric plants of the Maquiling region. IV. Philipp. Agr. 22: 254-257. S. 1933. no.4.

Mercado, T. & Juachon, P.

A report on a rice inbreeding experiment in the College of agriculture. Philipp. Agr. 22: 234-253. illus. S.1933. no.4.

Planta Arch. Wiss. Bot. (Berlin) (450P693)

Boresch, K.

Zur graphischen registrierung der transpiration von blättern. Planta Arch. Wiss. Bot. 20: 448-469. illus., pl.ii. S.7, 1933. no.3.

Cholodny, N.

Beiträge zur kritik der blaauwschen theorie des phototropismus. Planta Arch. Wiss. Bot. 20: 549-576. illus. S.7, 1933. no.3.

Christoff, M. & Popoff, A.

Cytologische studien über die gattung Hieracium. Planta Arch. Wiss. Bot. 20: 440-447. illus., pl. i. S.7, 1933. no.3.

Förster, K.

Quellung und permeabilität der zellwand von Rhizoclonium. Planta Arch. Wiss. Bot. 20: 476-505. illus. S.7, 1933. no.3.

Kaufhold, F.

Zur klärung von krümmungen, die ohne vorhergeganene reizung auf dem klinostaten auftreten. Nach untersuchungen mit mehrtägig klinostatierten kotyledonen von Phoenix dactylifera. Planta Arch. Wiss. Bot. 20: 602-620. illus. S.7, 1933. no.3.

Klein, G. & Linser, H.

Zur bildung der betaine und der alkaloide in der pflanze. III. Vorversuche zur bildung von nikotin. Planta Arch. Wiss. Bot. 20: 470-475. illus. S.7, 1933. no.3.

Kurssanow, A. L.

Ueber den einfluss der kohlenhydrate auf den tagesverlauf der photosynthese. Planta Arch. Wiss. Bot. 20: 535-548. S.7, 1933. no.3.

Planta Arch. Wiss. Bot. (cont.)
Lindschau, M.
Beiträge zur zytologie der Bromeliaceae.
Planta Arch. Wiss. Bot. 20: 506-530. illus.
S.7, 1933. no.3.

Plavšić, S.
Ueber akzessorische harzkanäle in blättern von
Picea omorica. Planta Arch. Wiss. Bot. 20: 531-
534. illus. S.7, 1933. no.3.

Schmidt. M.
Zur entwicklungsphysiologie von Cladosporium
fulvum und über die widerstandsfähigkeit von
Solanum racemigerum gegen diesen parasiten.
Planta Arch. Wiss. Bot. 20: 407-439. illus.
S.7, 1933. no.3.
Solanin in plants effects germination of
spores of fungus.

Seybold, A.
Ueber die optischen eigenschafter der laubblätter.
III. Planta Arch. Wiss. Bot. 20: 577-601. illus.
S.7, 1933. no.3.

Planter (Kuala Lumpur) (78.8P69)
Beeley, F.
Oidium heveae and methods of its control.
Planter (Kuala Lumpur) 14: 68-69. S. 1933. no.2.

Proc. Amer. Phil. Soc. (Philadelphia) (500P533)
Macdougal, D. T.
The retlation of leaf-surface to wood formation
in pine trees. Proc. Amer. Phil. Soc. 72:325-
332. 1933. no.5.

Proc. California Acad. Sci. (500C12P)
Bartram, E. B.
Mosses of the Templeton Crocker expedition
collected by John Thomas Howell and lists of the
mosses known from the Galapagos Islands and from
Cocos Island. Proc. California Acad. Sci. IV,
21: 75-86. illus. S.20, 1933. no.8.
The Templeton Crocker expedition of the
California Academy of sciences,1932, no.8.
Fissidens howelli, Campylopus insularis, n.ssp.

Proc. California Acad. Sci. (cont.)

Howell, J. T.
The Amaranthaceae of the Galapagos Islands.
Proc. California Acad. Sci. IV, 21: 87-116.
S.20, 1933. no.9.
The Templeton Crocker expedition of the California academy of science, 1932, no.9.
Amaranthus furcatus, Alternanthera flosculosa, n.ssp.

Howell, J. T.
The Cactaceae of the Galapagos Islands.
Proc. California Acad. Sci. IV. 21: 41-54.
pl.2-3. Mr.14, 1933. no.5.
The Templeton Crocker expedition of the California academy of sciences, 1932, no.5.
Opuntia saxicola, O.megasperma, O. zacana n.ssp.

Proc. Leeds Phil. & Lit. Soc. Sci. Sect. (501L51)

Elliott, J. H.
Growth and differentiation in the vascular system during leaf development in the dicotyledon.
Proc. Leeds Phil. & Lit. Soc. Sci. Sect. 2: 440-450. illus. Jl.1933. no.10.
Acer pseudoplatanus & Castanea vulgaris.

Proc. Nat. Acad. Sci. (500N21P)

East, E. M.
The effect of homozygous genes for self-sterility. Proc. Nat. Acad. Sci. 19: 841-845. S. 1933. no.9.

Setchell, W. A.
A preliminary survey of the species of Zostera.
Proc. Nat. Acad. Sci. 19: 810-817. S.1933. no.9.

Sprague, G. F.
Pollen tube establishment and the deficiency of waxy seeds in certain maize crosses. Proc. Nat. Acad. Sci. 19: 838-841. illus. S.1933. no.9.

Publ. Inst. Belge Amél. Betterave (66.9In7)

Bougy, E.
Chimisme de quelques hybrides de betteraves.
Publ. Inst. Belge Amél. Betterave 1933: 147-226.
illus. S. 1933. no.5.

Rep. Rothamsted Exp. Stat. (103R47Ga)
Rothamsted experimental station
Plant pathology. In its Rep. 1932: 45-47. 1933.
J. Henderson Smith, chief.

Rev. Gén. Bot. (Paris) (450R326)
Carpentier, A.
Contribution a l'étude des fougères des Silex permiens d'Autun. Rev. Gén. Bot. 45: 409-412. pl.xviii-xix. S.1933. no.537.

Famin, A.
Action de la temperature sur les végétaux. (cont.) Rev. Gén. Bot. 45: 418-454. S.1933. no.537.

Gorczynski, T.
La cléistoflorie chez le Viola odorata var. fl. pleno hort. Rev. Gén. Bot. 45: 411-417. illus. S. 1933. no.537.

Guillermond, A.
Recherches cytologiques sur les pigments anthocyaniques et les composés oxyflavoniques. III. Formation et caractères cytologiques et microchimiques des pigments anthocyaniques dans les fruits. Rev. Gén. Bot. 45: 455-472. illus. S. 1933. no.537.

Rev. Industr. y Agr. Tucumán. (Buenos Aires) (9T79)
Cross, W. E.
Una mutación de la P.O.J. 36 de mayor riqueza sacarina. La P.O.J. 36 M. Rev. Industr. y Agr. Tucumán 23: 47-52. Mr./Ap. 1933. no.3/4.

Fawcett, G. L.
Notas sobre las enfermedades de la caña de azucar. Rev. Industr. y Agr. Tucumán 23: 68-69. Mr./Ap. 1933. no.3/4.

Rev. Path. Vég. & Entom. Agr. (Paris) (464.9So1)
Viennot, G.
Une ustilaginée nouvelle pour la France, Ustilago oxalidis Ellis et Tracy parasite d'Oxalis stricta L. Rev. Path. Vég. & Entom. Agr. 19: 17-23. Ja. 1933.(Rec'd Oct.1933) no.1.

Rhodesia Agr. Journ. (Salisbury) (24R34)

Christian, H. B.

Notes on African aloes. XII. Rhodesia Agr. Jour. 30: 726-729. 3 pl. S. 1933. no.9.

Rhodora (Boston) (450R34)

Fernald, M. L.

Heterochromism in Arctostaphylos uva-ursi, var.coactilis. Rhodora 35: 348-350. 0.1933. no.418.

A. uva-ursi, var. coactilis forma heterochroma f. nov.

Fernald, M. L.

Recent discoveries in the Newfoundland flora. (cont.) Rhodora 35: 327-346. illus. (maps), pl.263-268. 0. 1933. no.418.

Kelso, E. H.

Notes on Rocky Mountain plants. Rhodora 35: 347-348. 0.1933. no.418.

Atragene columbiana f. albescens f.nov., Eriogonum annuum f. roseum f. nov., Leucocrinum montamum var. fibrosum var. nov.

Nelson, R. A.

A study of the Rocky Mountain species of the multiflora section of aster. Rhodora 35. 323-326. 0. 1933. no.418.

Schuh, R. E.

On the distribution of Sorocarpus. Rhodora 35: 346. 0.1933. no.418.

Science (470Sci2)

Austin, S.

Vegetation and reproduction in the soy-bean. Science 78: 363-364. 0.20, 1933. no.2025.

Brown, R. W.

Pronunciation of botanical terms. Science 78: 333-335. 0.13, 1933. no.2024.

Canfield, R. H.

Solid and hollow stemmed grasses of the Jornada experimental range. Science 78: 342. 0.13, 1933 no.2024.

Science (cont.)

Darrow, G. M.
Tomatoes, berries and other crops under continuous light in Alaska. Science 78: 370. O.20, 1933. no.2025.

Ramaley, F.
American botany, 1886-1932, as shown in the Botanical Gazette. Science 78: 365. O.20, 1933. no.2025.

Seifriz, W.
More about the spiral habit. Science 78: 361-363. illus. O.20, 1933. no.2025.

Science Progr. (London) (472Sci22)

Higgins, V.
Characteristic features of cacti. Science Progr. 28:246-252. O. 1933. no.110.

Norman, A. G.
Some aspects of the chemistry of the plant cell-wall. Science Progr. 28: 229-245. O. 1933. no.110.

Scient. Agr. (Ottawa) (7Sci2)

Lewis, R. M.
Awned hoods in barley. Scient. Agr. 14: 48-49. S. 1933. no.1.

Sanford, G. B.
A preliminary note on an unreported rootrot of oats. I. Scient. Agr. 14: 50-51. pl. S. 1933. no.1.
Dr. G.R. Bisby reports the sporulating fungus as Gliocladium, probably G. roseum.

Willison, R. S.
Peach canker investigations. I. Some notes on incidence, contributing factors and control measures. Scient. Agr. 14: 32-47. S. 1933. no.1.
Cankers on peach originate from wounds or dead areas.

Sci. Proc. Roy. Dublin Soc. (501D85)

Clinch, P. & Loughnane, J. B.
A study of the crinkle disease of potatoes and of its constituent or associated viruses. Sci. Proc. Roy. Dublin Soc. n.s.,20: 567-596. pl.48-49. S. 1933. no.37/40.

Sci. Proc. Roy. Dublin Soc. (cont.)
Dixon, H. H.
Bast-sap. Sci. Proc. Roy. Dublin Soc. n.s.,20:487-494. pl.45. Ap. 1933. no.29/36.

Hughes, W.
A study of Phoma lingam (Tode) Desm., and of the "dry rot" it causes, particularly in Swede turnips. Sci. Proc. Roy. Dublin Soc. n.s., 20: 495-529. pl.46-47. Ap. 1933. no.29/36.

Sinensia Contr. Metrop. Mus. Nat. Hist. Nanking (410.9Si62)
Ching, R. C.
The studies of Chinese ferns. VIII. Sinensia Contr. Metrop. Mus. Nat. Hist. Nanking 3: 131-156. N. 1932. no.5.

Tsiang, Y.
Notes on Chinese Apocynaceae. I. Sinensia Contr. Metrop. Mus. Nat. Hist. Nanking 3: 157-160. illus. N.1932. no.5.
Pottsia pubescens, sp.nov., Sindechites henryi var. parvifolia, var.nov.

Tsoong, K. K.
Criticisms and corrections of the botanic terms as appeared in the third report of the general committee on scientific terminology, 1914. Sinensia Contr. Metrop. Mus. Nat. Hist. Nanking 3: 9-52. Jl. 1932. no.1.
Chinese.

Tsoong, K.K.
On the importance of Chinese names for plants with suggestions for a proper system of nomenclature Sinensia Contr. Metrop. Mus. Nat. Hist. Nanking 3: 1-8. Jl.1932. no.1.
Chinese.

Studia Citrol. Tanaka Citrus Exp. Stat. Japan (J80St9)
Kanayama, I.
Studies in the black spot disease of citrus fruits.I. Studia Citrol. Tanaka Citrus Exp. Stat. Japan 5: 155-176. 2 pl. on 1. N.1932. no.2.
Japanese with English summary: p.175-176.

Matsubara, S.
Anatomical observations on citrus rootstocks. Studia Citrol. Tanaka Citrus Exp. Stat. Japan 6: 43-47. Jl. 1933. no.1.
Japanese with English summary: p.47.

Studia Citrol. Tanaka Citrus Exp. Stat. Japan (cont.)

Miyazawa, B. & Motoyama, M.

The relation between the size and solids-acid ratio of the Satsuma fruits and the vigor of their bearing shoots. Studia Citrol. Tanaka Citrus Exp. Stat. Japan 6: 1-18. illus. Jl.1933. no.1.

Japanese with English summary: p.18.

Tanaka, T.

General remarks on the genus Fortunella I-II. Studia Citrol. Tanaka Citrus Exp. Stat. Japan 5: 141-154. 2 pl. on 1. N.1932; 6: 19-40. Jl. 1933. no.2,1.

Japanese with English summary: p.37-40.

Tanaka, T.

Lectures on taxonomic citrology. Citrus bibliography. Studia Citrol. Tanaka Citrus Exp. Stat. Japan 5: 225-245. N. 1932. no.2.

Japanese.

Tanaka, T.

Opinion of Dr. Kozhin on citrus classification Studia Citrol. Tanaka Citrus Exp. Stat. Japan 5: 251-263. N. 1932. no.2.

Japanese with English résumé: p.260-263.

Succulenta (Leeuwarden) (450Su1)

Hummelinck, P.

Cactusfasciaties van Aruba, Curacao en Bonaire. Succulenta 15: 183-190. illus. O. 1933. no.10.

Svensk Bot. Tidskr. (450Sv2)

Arwidsson, Th.

Till frågan om utbredningen av syd-skandinaviska arter. Svensk. Bot. Tidskr. 27: 332-338. 1933. no.3.

Ekman, E.

Contribution to the Draba flora of Greenland. VI. Svensk Bot. Tidskr. 27: 339-346. 1933. no.3.

Erdtman, G. & Erdtman, H.

The improvement of pollen-analysis technique. Svensk. Bot. Tidskr. 27: 347-357. 1933. no.3.

Linnell, T.

Zur morphologie und systematik triassischer cycadophyten. II. Ueber Scytophyllum Bornem.; eine wenig bekannte cycadophytengattung aus dem keuper. Svensk. Bot. Tidskr. 27: 310-331. illus., pl.ii. 1933. no.3.

Svensk Bot. Tidskr. (cont.)

Malme, G. O.

En rik lundvegetation vid Stava hamm i Ödeshög (Oestergötland). Svensk Bot. Tidskr. 27: 358-360. 1933. no.3.

Naumann, E.

Gesichtspunkte zur beurteilung des produktionsstandards von Sphaerotilus natans Kützing. Svensk Bot. Tidskr. 27: 302-309. illus., pl.i. 1933. no.3.

Naumann, E.

Ueber die rohkultur von Sphaerotilus natans Kützing in büschelform. Svensk Bot. Tidskr. 27: 293-301. illus. 1933. no.3.

Palm, B. T.

Eine eisenbakterie aus Westafrika. Svensk Bot. Tidskr. 27: 360-362. 1933. no.3.

Gallionella ferruginea.

Tobacco, N.Y. (69T552)

Fertilizer and the blue mold suggestions. Tobacco, N.Y. 97(14): 9. O.5,1933.

Recommendations of subcommittee of plant pathologists of the Southeastern tobacco research committee.

Trans. Nat. Hist. Soc. Formosa (J410.9N19)

Goto, K.

Sclerotium rolfsii Sacc. in perfect stage. I. Some correlation between sporation and cultural characteristics (cont.). Trans. Nat. Hist. Soc. Formosa 23: 75-90. Ap.1933. no.125.

Hosokawa, T.

Revisio ad floram Formosanam. II. Trans. Nat. Hist. Soc. Formosa 23: 91-97. Ap. 1933. no.125.

Kudoacanthus gen.nov., K. albo-nervosa.

Simada, Y.

Plants of Senkyakuseki virgin forests in Shinchiku coast strand. (cont.) Trans. Nat. Hist. Soc. Formosa 23: 100-115. Ap.1933. no.125.

Japanese.

Trans. Tottori Soc. Agr. Sci. (513T64)

Abe, T.

Studies on a new dry-rot disease of the bulb of Crocus sativus L. caused by Fusarium bulbigenum Cke. et Mass. var. blasticola (Rostr.) Wr. Trans. Tottori Soc. Agr. Sci. 4: 212-228. 2 pl. Je.11, 1933. no.3.

Japanese with English résumé.

Endô, S.

Influence of salt on the pathogenicity of Hypochnus sasakii Shirai. Trans. Tottori Soc. Agr. Sci. 4: 362-367. Je.11, 1933. no.3.

Hiratsuka, N.

On species of the Melampsoraceae collected in Nikko and its vicinity. Trans. Tottori Soc. Agr. Sci. 4: 143-155. Je.11, 1933. no.3.

Japanese.

Hiratsuka, N. & Hoshioka, Y.

Uredinales collected in Formosa. I. Trans. Tottori Soc. Agr. Sci. 4: 156-165. Je.11, 1933. no.3.

Matsuura, I.

Fundamental studies on the culture methods of mushrooms. III. Studies on Pleurotus ostreatus (Jacq.) Fr.l. Trans. Tottori Soc. Agr. Sci. 4: 344-353. illus., 3 pl. Je.11, 1933. no.3.

Miki, S.

On the regeneration of leaves and roots of some water and marsh plants in Japan. Trans. Tottori Soc. Agr. Sci. 4: 183-194. illus. Je.11, 1933. no.3.

Japanese with English résumé: p.193.

Nisikado, Y. & Matsumoto, H.

Studies on the physiological specialization of Gibberella fujikuroi, the causal fungus of the rice "bakanae" disease. Trans. Tottori Soc. Agr. Sci. 4: 200-211. Je.11, 1933. no.3.

Japanese with English résumé.

Sawada, K.

Notes on Japanese species of Colus. Trans. Tottori Soc. Agr. Sci. 4: 166-173. illus. Je.11, 1933. no.3.

Japanese. C. schellenbergiae, C. pentagonus.

Trans. Tottori Soc. Agr. Sci. (cont.)
Uchida, S.
Jitchiku (solid bamboo) in Japan. Trans. Tottori Soc. Agr. Sci. 4: 263-264. pl.i. Je.11, 1933. no.3.
"Sport or a habit form" of rhizome of Phyllostachys bambusoides.

Trop. Agr. (26T751)
Park, M.
The oil treatment of plantain diseases. Trop. Agr. 81:86-90. Ag.1933. no.2.

Trudy Bot. Muz. Akad. Nauk SSSR (Leningrad) (451Sa25)
Andreev, V. I.
Tipy tundr zapada Bol'shoĭ Zemli (Vegetationstype der Bolschesmelskaja tundra). Trudy Bot. Muz. Akad. Nauk SSSR 25: 121-268. illus. 1932.
Russian with German summary.

Busch, E. A.
A nektorykh reliltovykh rastenii͡akh Balkarii (Tsentral'nyĭ Kavkaz) (Ueber einige reliktpflanzen Balkariens (Zentralkaukasus). Trudy Bot. Muz. Akad. Nauk SSSR 25: 17-21. 1932.
Russian with German summary.

Busch, N.A.
O bolotakh ozernogo proiskhozhdenii͡a v Balkarii i Digorii (Ueber die verlandungsmoore in Balkarien und Digorien (Zentralkaukasus). Trudy Bot. Muz. Akad. Nauk SSSR) 25: 7-16. map. 1932.
Russian with German summary.

Ganeshin, S. S.
Rastitel'nost Li͡adskogo raĭona Luzhskogo okruga v svi͡azi s voprosom zabolevanii͡a korov gematuriei (Die vegetation des Ljadskoi rayon des Luga-bezirks) Trudy Bot. Muz. Akad. Nauk SSSR 25: 349-434. 1932.
Russian.

Korchagin, A. A.
Poemnye duga reki Severnoĭ Dviny v Cherevkovskom raione i ikh khozi͡aĭstvennai͡a otsenka (Alluvialwiesen des flusses Severnaja-Dwina im rayon Tscherewkow und ihr wirtschaftlicher wert). Trudy Bot. Muz. Akad. Nauk SSSR 25: 269-348. illus. (incl. map) 1932.
Russian.

Trudy Bot. Muz. Akad. Nauk SSSR (cont.)

Leskov, A. I.
Materialy k flore severozapadnogo Kavkaza (Materialien zur flora des Nordwest-Kaukasus). Trudy Bot. Muz. Akad. Nauk SSSR 25: 23-45. 1932.
Russian.

Leskov, A. I.
Novyĭ vid roda Cicerbita Wall. (Eine neue art der gattung Cicerbita Wall.) Trudy Bot. Muz. Akad. Nauk SSSR) 25: 53-55. illus. 1932.
Russian with Latin diagnosis (C. olgae)

Leskov, A. I.
O rasprostranenii i uslovni͡akh proizrastanii͡a Secale kuprijanovi Grossh. (Ueber die verbreitung und existenzbedingungen von Secale kuprijanovi Grossh.) Trudy Bot. Muz. Akad. Nauk SSSR 25: 48-52. 1932.
Russian.

Tolmachev, A. I.
Materialy dli͡a flory raĭona Poli͡arnoĭ geofizicheskoĭ observatorii, Matochkin Shar i sopredel'nykh chasteĭ Novoĭ Zemli (Materialien zur flora des rayons des Polaren geophysischen observatoriums, Matotschkin Schar und der angrenzenden teile von Novaje Zemlija). Trudy Bot. Muz. Akad. Nauk SSSR 25: 101-120. illus. 1932.
Russian with Latin diagnosis of n.ssp. (Papaver lapponicum dasycarpum)

Voronikhin, N. N.
K biologii soli͡anykh ozer Sibiri (Zur biologie der salzseen Sibiriens). Trudy Bot. Muz. Akad. Nauk SSSR 25: 435-443. illus. 1932.
Russian with German summary and Latin diagnoses of new species (Chroococcus luteolus, Oscillatoria spirulinoides, O. attenuata, O. animalis var. crassa n.var.)

Zubkov, A. N.
Tundry Gusinoĭ Zemli (Die tundren der Gussinaja Zemlja (Vorläufige resultate des jahres 1930). Trudy Bot. Muz. Akad. Nauk SSSR 25: 57-99. illus. 1932.
Russian.

U.S. Dept. Agr. Circ. (1Ag84C)

Clark, C. F., Stuart, W. & Stevenson, F. J.
The Katahdin and Chippewa potatoes. U.S. Dept. Agr. Circ. 276. 7 p. illus. Jl. 1933.

Holbert, J. R., Burlison, W. L., & Johnson, A.G.
Portable refrigeration chambers for studying cold resistance of plants in the field. U.S. Dept. Agr. Circ. 285. 28 p. illus. S. 1933.

Rose, D.H., Wright, R.C. & Whiteman, T.M.
The commercial storage of fruits, vegetables, and florists' stocks. U.S. Dept. Agr. Circ. 278. 39 p. S. 1933.

U.S. Dept. Agr. Techn. Bull. (1Ag84Te)

Clawson, A. B.
Alpine kalmia (Kalmia microphylla) as a stock-poisoning plant. U.S. Dept. Agr. Techn. Bull. 391. 9 p. illus. Ag. 1933.

Smith, G. S. & Clark, J. A.
Inheritance of stem-rust reaction and correlation of characters in Pentad, Nodak, and Akrona durum-wheat crosses. U.S. Dept. Agr. Techn. Bull. 385. 27 p. illus. O. 1933.

Wisconsin Hort. (Madison)

Roberts, R. H.
Strawberry black root injury. Suggestions for mulching. Wisconsin Hort. 24: 27-28. O.1933. no.2.
Result of late fall or early winter injury.

Zeitschr. Zücht. A.Pflanzenzucht. (Berlin) (450Z36)

Hudson, P. S.
English wheat varieties. I. Classification. Zeitschr. Zücht. A. Pflanzenzücht. 18: 505-525. illus. S. 1933. no.4.

Munerati, O.
La possibilita' di associare attraverso l'incrocio piu' caratteri recessivi in un unico tipo di barbabietola. Zeitschr. Zücht. A. Pflanzenzücht. 18: 595-596. S. 1933. no.4.

Pissarev, V.
Oekologische klassifizierung des ausgangsmaterials bei pflanzenzüchterischen arbeiten. Zeitschr. Zücht. A. Pflanzenzücht. 18: 437-446. S.1933. no.4.

Zeitschr. Zücht. A. Pflanzenzücht. (cont.)

Pissarev, V.
Kartoffelselektion auf kälteresistenz. Zeitschr. Zücht. A. Pflanzenzücht. 18: 582-594. illus. S.1933. no.4.

Rubner, A.
Ueber die vererbung von ähreneigenschaften bei kreuzungen zwischen tetraploiden wild- und hexaploiden kulturweizen. Zeitschr. Zücht. A. Pflanzenzücht. 18: 447-504. S. 1933. no.4.

Taschdjian, E.
Die züchtung der baumwolle. Zeitschr. Zücht. A. Pflanzenzücht. 18: 627-672. S. 1933. no.4.

Tschermak, E.
Ueber den grössen- und farben-dimorphismus der körner bei den wild- und kulturformen des roggens und weizens. Zeitschr. Zücht. A. Pflanzenzucht. 18: 431-436. S.1933. no.4.

Wettstein-Westersheim, W. .
Die kreuzungsmethode und die beschreibung von F_1-bastarden bei Populus. Zeitschr. Zucht. A. Pflanzenzücht. 18: 597-626. illus. S.1933. no.4.

Exp. Stat. Publ.

Johnson, E. M. & Valleau, W. D.
Black-stem of alfalfa, red clover and sweet clover. Kentucky Agr. Exp. Stat. Bull. 339: 57-82. illus. My.1, 1933.(Rec'd O.) (100K41)
Caused by species of Phoma, probably P. medicaginis.

State Publications.

Gates, F. C.
Wild flowers in Kansas. Rep. Kansas State Bd. Agr. v.51, no.204-B. 295 p. illus. 1933.(2K13Re)

New Books.

Bonnier, G. & Douin, R.
Flore complète illustrée en couleurs de France ... Suisse et Belgique.... v.12, fasc. 116. pl.691-696. Paris, 1933 (F°.59B64)

Conn, H. J.
The history of staining. Geneva, N.Y., 1933. (442C763H)
With contributions from other authors.

New Books (cont.)

Handel-Mazzetti, H.

Symbolae sinicae. Botanische ergebnisse der expedition der Akademie der wissenschaften in Wien nach südwest China 1914/18... 7. teil Anthophyta, lfg. 3. Wien, J. Springer, 1933. (460.14H192S)

Rosaceae (cont.) - Umbelliferae.

Paxinos, S. A.

Die nährstoffaufnahme der pflanzen aus ständig sich erneuernder (durchfliessender) nährlösung. Breslau, 1932. (463.34P28)

Inaug.-diss. - Breslau.

Reprints from publications not yet rec'd or not available.

Ernst, A.

Weitere untersuchungen zur phänalyse, zum fertilitätsproblem und zur genetik heterostyler primeln. I. Primula viscosa All. Reprinted from Arch. Julius Klaus-Stift. Vererbungsforsch., Sozialanthrop. u. Rassenhyg. v.8, p.1-215. illus., viii pl. 1933. (463.69Er6W)

Translations filed in Library of Bur. of Plant Industry.

Awschalon, M.

Datos sobre la influencia del selenio en la vegetación cuando sustituye al ion sulfúrico en el liquido nutritive de Knop (Data on the influence of selenium on plants substituted for the sulphur ion in the nutritive solution of Knop.) Rev. Fac. Agron. Univ. La Plata 14: 122-162. 1920.

Honert, T. H. van den

Onderzoekingen over de voedingsphysiologie van het suikerriet I. (Investigations on the physiology of nutrition in sugar cane). Arch. Suikerind. Nederl. Indië. 1932, pt.3. (Meded. 23): 1539-1608. 1932.

BOTANY

CURRENT LITERATURE

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C.

LIBRARY
RECEIVED
★ NOV 1 [illegible] 3 ★
U. S. [illegible] of Agriculture

V.15, no. 22. Oct. 23-Nov.4, 1933.

Agron. Colon. (Paris) (26Ag812)
Ledroux, A.
La culture des caféiers à Madagascar. (concl.)
Agron. Colon. 22(2): 77-84. S. 1933. no.189.

Amer. Forests (Washington) (99.8F762)
Morse, E. E.
Its ancient enemy discovered. The incense cedar reveals the secret of its destruction. Amer. Forests 39: 502-503. illus. N.1933. no.11.
Polyporus amarus.

Wise, L. E.
The great lignin mystery. Amer. Forests 39: 494-496, 524. illus. N. 1933. no.11.
Anselme Payen, the French chemist who first uncovered the great lignin mystery.

Amer. Journ. Bot. (450Am36)
Avery, G. S., Jr.
Structure and development of the tobacco leaf. Amer. Journ. Bot. 20: 565-592. illus. N. 1933. no.9.

Livingston, B. E. & Haasis, F. W.
Relations of time and maintained temperature to germination percentage for a lot of rice seed. Amer. Journ. Bot. 20: 596-615. N. 1933. no.9.

Melchers, L. E.
Freezing injury to arborvitae and junipers in Kansas. Amer. Journ. Bot. 20: 593-595. N.1933. no.9.

Sherff, E. E.
Some new or otherwise important compositae of the Hawaiian Islands. Amer. Journ. Bot. 20: 616-619. N. 1933. no.9.

Angew. Chem. (384Z33)
Liebisch, W.
Die einwirkung verscheidener stimulatien, mit besonderer berücksichtigung der gase, auf pflanzliche organismen. Angew. Chem. 46: 635-638. O.7, 1933. no.40.

Ann. Inst. Pasteur (Paris) (448.3An75)
Gheorghiu, I.
Le cancer des plantes et l'immunité anticancéreuse. Ann. Inst.Pasteur 51: 535-544. illus., col.pl. O. 1933. no.4.
Experiments with Pelargonium zonale.

Ann. Mus. Colon. Marseille (410.9M35)
Jumelle, H.
Nouvelles observations sur quelques palmiers malgaches. Ann. Mus. Colon. Marseille s.5, v.1, f.3. 19 p. illus. 1933.
Phloga sambiranensis n.sp.

Ann. Rep. Smithsonian Inst. (500Sm6R)
Meier, F.E.
Cultivating algae for scientific research. Ann. Rep. Smithsonian Inst. 1932: 373-383. 3 pl. 1933.

Seward, A. C.
Plant records of the rocks. Ann. Rep. Smithsonian Inst. 1932: 363-371. 1933.

Wood, C. A.
Through forest and jungle in Kashmir and other parts of North India. Ann. Rep. Smithsonian Inst. 1932: 307-326. 2 pl. 1933.

Arch. Protistenk. (Jena) (439.8Ar2)
Baker, C. L.
Studies on the cytoplasmic components of Euglena gracilis Klebs. Arch. Protistenk. 80: 434-468. illus., pl.14-16. O.10, 1933. no.3.

Geitler, L.
Beiträge zur kenntnis der flechtensymbiose. I-III. Arch. Protistenk. 80: 378-409. illus. O.10, 1933. no.3.

Arch. Protistenk. (cont.)

Moewus, F.
Untersuchungen über sexualität und entwicklung von chlorophyceen. Arch. Protistenk. 80: 469-526. illus. O.10, 1933. no.3.

Skuja, H.
Untersuchungen über die rhodophyceen des süsswassers. III. Batrachospermum breutelii Rbh. und seine brutkörper. Arch. Protistenk. 80: 357-366. illus., pl.12-13. O.10, 1933. no.3.

Ark. Bot. (Stockholm) (451Sv2)

Floderus, B.
Salices Peninsulae Anadyrensis inter lat. sept. 60°-62° et long. or. 163-177 a S. soczava annis 1929-1930 collectas. Ark. Bot. v.25, no.10. 12 p. illus. 1933(Ap.28, 1933)

Floderus, B.
Salix aegyptiaca L. Eine historich-taxonomische studie. Ark. Bot. v.25, no.11. 44 p. illus., iii pl. 1933(My.10, 1933)

Florin, R.
Die von E.L. Ekman in Westindien gesammelten koniferen. Ark. Bot. v.25, no.5. 22 p. illus., 3 pl. 1933(S.8,1932)

Malme, G. O. A.
Asclepiadaceae austroamericanae praecipue andinae. Ark. Bot. v.25, no.7. 26 p. illus., 3 pl. 1933(S.20, 1932)

Malme, G. O. A.
Beiträge zur kenntnis der südamerikanischen xyridazeen. Ark. Bot. v.25, no.12, 18p. 1933 (Ap.28, 1933)

Naumann, E.
Notizen zur ökologie der süsswasseralgen. IV. Ueber algenaufwuchs bei Sphaerotilus natans Kützing. Ark. Bot. v.25, no.9. 4 p. pl. 1933(Ap.20, 1933)

Samuelsson, G.
Lycochloa, eine neue gramineen-gattung aus Syrien. Ark. Bot. v.25, no.8. 6p. illus., 2 pl. 1933. (Ja.13,1933)

Ark. Bot. (cont.)
Stenar, H.
Parthenogenesis in der gattung Calamagrostis. Embryobildung bei Calamagrostis obtusata Trin. und Calamagrostis purpurea Trin. Ark. Bot. v.25, no.6. 8 p. illus., pl. 1933. (S.5, 1932)

Austral..Journ. Exp. Biol. & Med. Sci. (Adelaide) (442.8Au7)
Ballard, L. A. T.
The effect of nitrate supply on transpiration ratio in plants. Austral. Journ. Exp. Biol. & Med. Sci. 11: 161-176. S.16, 1933. no.3.

Gurney, H. C.
A note on the use of Feulgen's reaction as a critical stain for wheat cytology. Austral. Journ. Exp. Biol. & Med. Sci. 11: 157-159. S.16, 1933. no.3.

Boll. Soc. Ital. Biol. Sper. (Kapoh) (422.8So12)
Ascione, G. & Cianci, V.
Influenza del pH iniziale del terreno sulla produzione di spore del Rhizopus nigricans. Bull. Soc. Ital. Biol. Sper. 8: 257-260. illus. F. 1933. no.2.

Cappelletti, C.
Osservazioni sulla germinazione asimbiotica dei semi di orchidee del genere Cymbidium. Boll. Soc. Ital. Biol. Sper. 8: 288-291. Mr.1933. no.3.

Bot. Közlem. (Budapest) (450N85)
Boros, A.
A Primula auricula a Vértes hegységben. (Primula auricula im Vértes-gebirge). Bot. Közlem. 30: 189-191. 1933. no.5.
German summary: p.191.

Fehér, J.
Kleistogamia új esetei pipacs-fajokon. (Kleistogamie an papaver-arten). Bot. Közlem. 30: 192-194. illus. 1933. no.5.
Brief German summary: p.194.

Haraszty, A.
A gyöngyösi és rózsaszentmártoni lignitek mikroszköpos vizsgálata.(Mikroskopische untersuchung des lignits von Gyöngyös und Rózsaszentmárton). Bot. Közlem. 30: 185-189. illus., pl. 1933. no.5.
German summary: p.187-188.

Bot. Közlem. (cont.)

Krausz, F.

Gyakoribb keresztesvirágú gyomok csiranövényei. (Die keimpflanzen der häufigeren kreuzblütlerunkräuter). Bot. Közlem. 30: 138-162. 2 pl. 1933. no.5.

German summary: p.152-162.

Máthé, I.

A hortobágyi Ohat-erdö végétaciója. (Die vegetation des Ohat-waldes). Bot. Közlem. 30: 163-184. 1933. no.5.

German summary: p.183-184.

Örösi-Pál, Z.

Növénymetszet festökocsonyával. (Mounting of sections of plants in staining jelly). Bot. Közlem. 30: 194-196. 1933. no.5.

Brief English summary: p.196.

Szilády, Z.

Az ösdiófa nálunk és a Balkánon. (Der urzeitliche nussbaum bei uns und auf der Balkanhalbinsel). Bot. Közlem. 30: 121-137. 1933. no.5.

German summary: p.130-137.

Bot. Mus. Leafl. Harvard Univ. (451H262)

Ames, O.

A new Sobralia from the republic of Honduras. Bot. Mus. Leafl. Harvard Univ. 10. 7 p. illus. O.24, 1933.

Sobralia edwardsii.

Bull. Amer. Delphinium Soc. (96.527Am3)

Haskins, C.P.

X-rays in delphinium breeding. Bull. Amer. Delphinium Soc. 2: 15-21. illus. S.1933. no.1.

Kauser, A.

Delphinium species. Bull. Amer. Delphinium Soc. 1: 12-27. illus. My.1932.

I. Exotic species. II. American species.

Wilde, E. I.

History and geographic distributions of the genus Delphinium. Bull. Amer. Delphinium Soc. 1: 3-12. My.1932.

Bull. Agr. Congo Belge (Bruxelles) (24K83)

Esmans, F.

Les Entandrophragma. Bull. Agr. Congo Belge 24: 222-245. illus. Je. 1933. no.2.

Esmans, F.

La Macrolobium dewevrei De Wild, au Congo Belge. Bull. Agr. Congo Belge 24: 208-221. illus. Je. 1933. no.2.

Groof, G. de.

La question du palmier à huile au Mayumbe. Bull. Agr. Congo Belge 24: 131-149. illus. Je. 1933. no.2.

Pynaert, L.

La mangrove congolaise. Bull. Agr. Congo Belge 24: 185-207. illus. Je. 1933. no.2.

Bull. Amer. Iris Soc. (81Am39)

Waller, A. E. & McCormick, R. H.

Stem elongation studies. Bull. Amer. Iris Soc. 49: 81-89. O. 1933.

Science series. II.

Bull. Cl. Sci. Acad. Roy. Belge. (Bruxelles) (504B83B)

Hauman, Lucien

Esquisse de la végétation des hautes altitudes sur le Ruwenzori. I. Bull. Cl. Sci. Acad. Roy. Belge, V, 19: 602-616. illus. 1933. no.6.

Résultats botaniques de la mission belge pour l'exploration scientifique du Ruwenzori, 1932.

Homès, M. V.

Les méthodes plasmolytiques dans l'étude de la perméabilité cellulaire. Bull. Cl. Sci. Acad. Roy. Belg. V, 18: 369-379. 1932. no.4.

Bull. Coll. Agr. & For. Univ. Nanking. (107N15B)

Yu, T. F., Chen, H. K. & Hwang, L.

Varietal resistance and susceptibility of wheats to flag smut (Urocystis tritici Koern.) Bull. Coll. Agr. & For. Univ. Nanking n.s.,9. 18 p. My. 1933.

Bull. Imp. Bur. Plant Gen. (Herb. Plants)

Whyte, R. O. & Hudson,P.S.

Vernalization or Lyssenko's method for the pre-treatment of seed. Bull. Imp. Bur. Plant Gen. (Herb. Plants) 9. 27 p. 2 pl. Mr.1933.

Bull. Soc. Centr. For. Belgique. (99.9B83)

Delevoy, G.

Pinus parviflora S. et Z. (Himeko matsu). Bull. Soc. Centr. For. Belgique 36(ann.40): 379-386. S. 1933. no.9.

Bull. Soc. Dendrol. France (Paris) (99.9So15)

Dode, L. A.

Floraison du Phyllostachys nigra. Bull. Soc. Dendrol. France 1932: 65-66. N.15, 1932. no.84.

Hickel, R.

Les noms vernaculaires. Bull. Soc. Dendrol. France 1932: 59-62. N.15, 1932. no.84.

Cactus & Succ. Journ. (Los Angeles) (451C11)

Baxter, E. M.

California cacti. VIII. Phellosperma tetrancistra. Cactus & Succ. Journ. 5: 451-452. illus. O.1933. no.4.

Smith, A.

What grows where. Cacti listed in accordance with their geographical origin. Compiled and copyrighted for Mrs. John D. Wright, Santa Barbara, Calif., 1933. (cont.) Cactus & Succ. Journ. 5: 413-415, 461-463. illus. Jl., O.1933. no.1,4.

Citrus. Riv. Camera Agrum. Messina (286.83M56)

Ruggieri, G.

Gommosi e intumescenze delle foglie di arancio. Citrus. Riv. Camera Agrum. Messina II,19:257-258. illus. S. 1933. no.9.

Ruggieri, G.

Osservazioni sopra l'alterazione dei mandarini prodotto dalla Cytosporina citriperda Camp. Citrus Riv. Camera Agrum. Messina II,19: 254-256. illus. S.1933. no.9.

Compt. Rend. Acad. Sci. Paris (505P21)

Becquerel, P.

Croissance des mousses dans une atmosphère qu'elles ont constitutées. Compt. Rend. Acad. Sci. Paris 197: 783-785. O.9, 1933. no.15.

Chevalier, A.

Adanson mutationniste et évolutionniste. Compt. Rend. Acad. Sci. Paris 197: 789-791. O.9, 1933. no.15.

Remarques critiques sur la communication précédente: par. J. Costantin: p.791.

Compt. Rend. Acad. Sci. Paris (cont.)

Dangeard, P.
Sur le vacuomes des grains de pollen et des tubes polliniques. Compt. Rend. Acad. Sci. Paris 197: 858-860. O.16, 1933. no.16.

Daniel, L.
Sur les curieuses variations des descendants de l'Helianthus dangeardi à la sixième génération. Compt. Rend. Acad. Sci. Paris 197: 725-727. O.9, 1933. no.15.

Geslin, H.
Loi de croissance du blé en fonction des facteurs du climat. Compt. Rend. Acad. Sci. Paris 197: 863-865. O.16, 1933. no.16.

Hamet, R.
Sur l'identité de la corynanthéine de Karrer et de l'alcaloide amorphe extrait par Fourneau du Pseudocinchona africana. Compt. Rend. Acad. Sci. Paris 197: 860-862. O.16, 1933. no.16.

Martens, P.
Origine et rôle des plissements superficiels sur l'épiderme des pétales floraux. Compt. Rend. Acad. Sci. Paris 197: 785-787. O.9, 1933. no.15.
Experiments with Tradescantia virginica.

Compt. Rend. Labor. Carlsberg. (390.9C19)

Nielsen, N.
Investigations on the effect of age upon the nitrogen content of yeast. Compt. Rend. Labor. Carlsberg v.19, no.16. 11 p. 1933.

Nielsen, N. & Hartelius, V.
Investigations on the growth of Aspergillus niger at different hydrogen ion concentrations with and without the addition of growth promoting substance B. Compt. Rend. Labor. Carlsberg v.19, no.15. 22 p. 1933.

Compt. Rend. Soc. Biol. Paris (442.9P21)

Bouillenne, R., Bouillenne, M. & Ghenne, L.
Etude comparative du métabolisme des carbohydrates solubles chez les males et les femelles de Mercurialis perennis. Compt. Rend. Soc. Biol. Paris 114: 189-194. 1933. no.29.

Compt. Rend. Soc. Biol. Paris (cont.)

Cornet, P.

Modifications cytologiques observées dans quelques plantes soumises au rayonnement de la lampe a vapeur de mercure. Compt. Rend. Soc. Biol. Paris 114: 47-49. 1933. no.29.

Experiments with Allium cepa, A. sativum, Fragaria vesca, Pisum sativum, Ervum lens, Mnium hornum.

Frémont, T.

Influence des eaux minérales sur le développement de quelques végétaux. Compt. Rend. Soc. Biol. Paris 114: 128-130. 1933. no.29.

Experiments with Sterigmatocystis nigra and wheat.

Radu, V. V.

Germination des graines de Vicia faba a des températures basses et élévées (étude cytologique). Compt. Rend. Soc. Biol. Paris 114: 69-72. illus. 1933. no.29.

Ecology (Brooklyn, N.Y.) (410Ec7)

Whitehouse, E.

Plant succession on central Texas granite. Ecology 14: 391-405. illus. O.1933. no.4.

At Enchanted Rock, Llano county.

Empire Mark. Bd. [Publ.] (London) (280.39G792P)

Wardlaw, C. W. & McGuire, L. P.

Banana storage. An account of recent investigations into the storage behaviour of several varieties. Empire Mark. Bd. [Publ.] 72. 35 p. 4 pl. S. 1933.

Mycological observations: p.32.

Ernähr. Pflanze (Berlin) (57.8Er6)

Honcamp, F.

Die bedeutung des kaliums für den pflanzlichen und tierischen organismus. (cont.) Ernähr. Pflanze 29: 373-377. O.15, 1933. no.20.

Faserforsch. (Leipzig) (73.8F26)

Fleischmann, R.

Ueber einige biologische folgeerscheinungen bei spätsaat des hanfes. Faserforsch. 10: 147-155. O.6, 1933. no.3.

Kratzsch, E.

Bambus als flecht- und papierfaserstoff. Faserforsch. 10: 178-214. illus., pl.i-iv. O.6, 1933. no.3.

Flor. Exch. (N.Y.) (80F666)
Gill, D. L.
Leaf nematodes disease of begonias. Flor. Exch. 81(44): 11. illus. N.4, 1933.
Aphelenchoides fragariae (Ritz. Bos) Steiner (Aphelenchus olesistus)

United action urged against Dutch elm disease. Flor. Exch. 81(44): 19-20. Illus. N.4, 1933.
See also editorial note: p.18.

For. Chron. Toronto (99.8F7623)
Haddow, W. R.
Disease as a factor in the transition of pine to stable types. For. Chron. Toronto 9: 30-35. F.1933. no.1.

For. Publ. Emerg. Conserv. Work (173.2C76F)
Hepting, G. H.
Eastern forest tree diseases in relation to stand improvement. For. Publ. Emerg. Conserv. Work. 2. 28p. illus. S.1933.

Gard. Chron. (London) (80G162)
Burr, S.
Lightning damage to potatoes. Gard. Chron. III, 94: 48. Jl.15, 1933. no.2429.

Friend, H.
Herbs and herbalists. X. Gleanings from Hebrew sources. XI. Later Hebrew lore. Gard. Chron. III, 94: 236, 312. S.23, O.31, 1933. no.2439, 2443.

Grove, A.
Fruits of lilies. IV. Gard. Chron. III, 94: 44. illus. Jl.15, 1933. no.2429.

Grove, A.
The sterility of Lilium candidum. Gard. Chron. III, 94: 311. O.21, 1933. no.2443.

Hastings, R. J.
Treatment of narcissus bulbs with hot water. Gard. Chron. III, 94: 313-314. O.21, 1933, no.2443.

Hurst, C. C.
The significance of genetics in evolution. Gard. Chron. III, 94: 291-292. O.14, 1933. no.2442.

Gard. Chron. (cont.)
Souillet, Abbé.
Lillium bosniacum, Beck. Gard. Chron. III, 94: 307. O.21, 1933. no.2443.

Stearn. W. T.
Rosa farreri, Stapf. Gard. Chron. III, 94: 237-238. illus. S.23, 1933. no.2439.
Farrer's "threepenny-bit rose".

Ward, F. K.
Mr. F. Kingdon Ward's eleventh expedition in Asia. XXXIX. Back to Burma. Gard. Chron. III, 94: 290-291. illus. O.14, 1933. no.2442.

Woolley, R. V. G.
The fruiting of Pernettya mucronata. Gard. Chron. III, 94: 289. O.14, 1933. no. 2442.

Gard. Illus. (London) (80G169)
Antirrhinum rust. Gard. Illus. 55: 607. illus. O.14, 1933. no.2849.

Gartenschönheit (Berlin) (80G199)
Blaschy,
Iris germanica und nächstverwandte kritisch-praktische betrachtungen und vorschläge. VI. Gartenschonheit 14: 199-200. O. 1933, no.10.

Hasse-Bessell, G.
Zur dahlienzüchtung. II. Gartenschönheit 14: 97. illus. O.1933. no. 10.

Niklitschek, A.
Erkennungsmerkmale der seerosen. II. Gartenschönheit 14: 194-195. illus. O.1933. no.10.

Gartenz. (Wien) (80W632)
Zederbauer, E.
Die entstehung und entwicklung der blütenknospen bei den obstbäumen. Gartenz. (Wien) 1933: 111-112. O.1933. no.10.

Giorn. Biol. Appl. Ind. Chim. ed Alim. (385G432)

Padoa, M. & Spada, A.

Studi sull'influenza di alcune sostanze specialmente non sàture, nell'attività enzimatica dei semi di riciono in germinazione - lipasi e perossidasi. Giorn. Boil. Appl. Ind. Chim. ed Alim. 3: 121-131. Ag. 1933. no.4.

Vita, N. & Sandrinelli, R.

Influenza della temperatural sul processo di utilizzazione dell'azoto atmosferico da parte delle leguminose. V. Giorn. Biol. Appl. Ind. Chim. ed Alim. 3: 132-137. Ag. 1933. no.4.

Hints Potato Grow. N.J. (New Brunswick, N.J.)

Martin, W. H.

Seed potato disinfection studies. Hints Potato Grow. N.J. v.14, no.6. [4] p. O.1933.

Hoppe-Seyl. Zeitschr. Phys. Chem. (Berlin) (384Z38)

Winterstein, A. & Stein, G.

Fraktionierung und reindarstellung organischer substanzen nach dem prinzip der chromatographischen adsorptionsanalyse. Hoppe-Seyl. Zeitschr. Phys. Chem. 220: 247-263, 263-277. O.5, 1933. no.5/6.

I. Anwendungsbereich. II. Chlorophylle.

House and Gard. (Greenwich, Conn.) (80H81)

Coombs, S. V.

South African plants for American gardeners. (concl.) House & Gard. 64(5): 52-53, 70,76. illus. N.1933.

Indian For. (Dehra Dun) (99.8In2)

Hole, R. S.

Plant pathology in the forests of India. III. Indian For. 59: 638-649. O.1933. no.10.

Journ. Agr.Prat. (Paris) (14J82)

Carré, G.

L'acide sulfurique et le piétin du blé. Journ. Agr. Prat. 97(2): 282-283. illus. S.30, 1933. no. 39.

Journ. Agr. Res. (Washington, D. C.) (1Ag84J)

Armstrong, G. M. & Bennett, C. C.

Effect of soil fertility, boll-maturation period and early or late production of bolls, on the length of cotton fibers. Journ. Agr. Res. 47: 467-474. O.1, 1933, (Rec'd O.27) no.7.

Armstrong, G. M. & Bennett, C. C.

Some factors influencing the variability in length of cotton fibers on individual plants as shown by the sorter method. Journ. Agr. Res. 47: 447-466. O.1, 1933 (Rec'd O.27) no.7.

Howlett, F. S.

Self - and cross-pollination studies of apple varieties, particularly Rome Beauty and Gallia Beauty. Journ. Agr. Res. 47: 523-537. O.1, 1933. (Rec'd O.27) no.7.

Young, P. A. & Morris, H. E.

Injury to apple by petroleum-oil sprays. Journ. Agr. Res. 47: 505-522. illus. O.1, 1933. (Rec'd O.27) no.7.

Journ. Amer. Soc. Agron. (Geneva, N.Y.) (4Am34P)

Anderson, A. & Kiesselbach, T. A.

Selection within Burt oats. Journ. Amer. Soc. Agron. 25: 684-688. O.1933. no.10.

Kuleshov, N. N.

World's diversity of phenotypes of maize. Journ. Amer. Soc. Agron. 25: 688-700. illus. O.1933. no.10.

Murphy, H. F.

The control of Bermuda grass through the use of chlorates. Journ. Amer. Soc. Agron. 25: 700-704. O.1933. no.10.

Stanton, T. R. & Murphy, H. C.

Oat varieties highly resistant to crown rust and their probable agronomic value. Journ. Amer. Soc. Agron. 25: 674-683. O. 1933. no.10.

Journ. Arnold Arb. (Cambridge, Mass.) (451Ar6J).

Chester, K. S., Abbe, E. C. & Vestal, P. A.

Studies on the precipitin reaction in plants. V. Application to plant relationships. Journ. Arnold Arb. 14: 394-407. O.1933. no.4.

Journ. Arnold Arb. (cont.)

Cousins, S.M.

The comparative anatomy of the stems of Betula pumila, Betula lenta, and the hybrid Betula jackii. Journ. Arnold Arb. 14: 351-355. O. 1933. no.4.

Foster, R. C.

Chromosome number in Acer and Staphylea. Journ. Arnold Arb. 14: 386-393. pl.81. O. 1933. no.4.

Raup, H.M.

Notes on the distribution of white spruce and Bansian pine in northwestern Canada. Journ. Arnold Arb. 14: 335-344. pl.72-73. O. 1933. no.4.

Rehder, A.

New species, varieties and combinations from the herbarium and the collections of the Arnold Arboretum. (cont.) Journ. Arnold Arb. 14: 345-350. pl.74. O. 1933. no.4.

Agapetes stenantha n.sp.

Sax, K. & Sax, H. J.

Chromosome number and morphology in the conifers. Journ. Arnold Arb. 14: 356-375. pl. 75-79. O. 1933. no.4.

Whitaker, T. W.

Chromosome number and relationship in the Magnoliales. Journ. Arnold Arb. 14: 376-385 illus., pl. 80. O. 1933. no.4.

Journ. Bot. (London) (450J82)

Bremekamp, C. E. B.

The bacteriophilous species of Psychotria. Journ. Bot. 71: 271-280. O. 1933. no.850.

P. swynnertonii, P. kaessneri, P. nairobiensis, P. marginata, P. tarambassica n.spp.

Grove, W. B.

New or noteworthy fungi. XIII. Journ. Bot. 71: 280-288. illus. O. 1933. no.850.

Rendle, A. B.

Otto Stapf (1857-1933). Journ. Bot. 71: 296-299. O. 1933. no.850.

Rendle, A. B.

William Grant Craib (1882-1933). Journ. Bot. 71: 299-300. O. 1933. no.850.

Journ. Genetics (London) (442.8J823)

Davie, J. H.

Cytological studies in the Malvaceae and certain related families. Journ. Genetics 28: 33-67. illus., pl. iii-iv. O. 1933. no.1.

Mather, K. & Stone, L.H.A.

The effect of x-radiation upon somatic chromosomes. Journ. Genetics 28: 1-24. illus., pl.i-ii. O. 1933. no.1.

Peto, F. H.

The cytology of certain intergeneric hybrids between Festuca and Lolium. Journ. Genetics 28: 113-156. illus., pl.vii. O. 1933. no.1.

Roscoe, M. V.

The chromosomal constitution of certain cultivated apple varieties. Journ. Genetics 28: 157-167. illus. O. 1933. no.1.

Journ. Pharm. Soc. Japan (J396.9P49)

Akai, S. & Nakazawa, K.

Ueber die bestandteile von Dicranopteris glauca Nakai. I. Ueber einen neuen katechingerbstoff, dicranin. Journ. Pharm. Soc. Japan 53: 157-160. S. 1933. no.9.

Munesada, J. & Hayashi, M.

Ueber die pharmakognostischen untersuchungen der japanischen Anemone-wurzel. Journ. Pharm. Soc. Japan 53: 162-167. illus. S. 1933. no.9.

Anemone cernua.

Journ. Pomol. & Hort. Sci. (London) (80J825)

Harris, R. V.

Mosaic disease of the raspberry in Great Britain. I- Journ. Pomol. & Hort. Sci. 11: 237-255. pl. i-iii. S. 1933. no.3.

Symptoms and varietal susceptibility.

Napper, M. E.

Observations on potato blight (Phytophthora infestans) in relation to weather conditions. Journ. Pomol. & Hort. Sci. 11: 177-134. S. 1933. no.3.

Journ. Pomol. & Hort. Sci. (cont.)

Ogilvie, L.

Canker and die-back of apples associated with Valsa ambiens. Journ. Pomol. & Hort. Sci. 11: 205-213. S. 1933. no.3.

Proebsting, E. L.

Absorption of potassium by plants as affected by decreased exchangeable potassium in the soil. Journ. Pomol. & Hort. Sci. 11: 199-204. 2 pl. S. 1933. no.3.

Experiments with buckwheat & tomato.

Tydeman, H. M.

Breeding experiements with "Paradise" apple rootstocks. Journ. Pomol. & Hort. Sci. 11: 214-236. 7 pl. S. 1933. no.3.

Weston, W.A.R.D. & Petherbridge, F.R.

Apple and pear scab in East Anglia. Journ. Pomol. & Hort. Sci. 11: 185-198. 2 pl. S. 1933. no.3.

Kakteenk. Deut. Kakteen-Ges. (451D482)

Bödeker, F.

Weiteres zu Mammillaria balsasensis Böd. Kakteenk. Deut. Kakteenk.-Ges. 1933: 195. illus. O. 1933. no.10.

Nel, G. C.

Neue euphorbien aus dem Botanischen garten der Univ. Stellenbosch. Kakteenk. Deut. Kakteenk. Ges. 1933: 192-195. illus. O. 1933. no.10.

E. hopetownensis, E. confluens, E. lombardensis.

Kartoffel, Zeitschr. Kartoffelbauges. (Berlin) (75.8K142)

Schlumberger, O.

Die produktion krebsfester anerkannter pflanzkartoffeln im jahre 1932. Karktoffel, Zeitschr. Kartoffelbauges. 13: 187-189. O.16, 1933. no.20.

Kolloidchem. Beih.

Samec, M. & Blinc, M.

Studien über pflanzenkolloide XXXII-XXXIII. Kolloichem. Beih. 38: 40-47, 48-56. Je.24, 1933. no.1/2.

XXXII. Ueber quellstärke. XXXIII. Veränderung der stärke durch oxydative einführung saurer gruppen.

Kranke Pflanze (Dresden) (464.8K86)

Bremer, H.
Ueber den zwiebelrotz. Kranke Pflanze 10: 97-99. illus. Jl./Ag.1933. no.7/8.

Crüger, O.
Vorzeitiges absterben der johannisbeerblätter Kranke Pflanze 10: 106-107. illus. Jl./Ag. 1933. no.7/8.
Pseudopeziza ribis.

Phillip, W.
Die einschnürungskrankheit auch an pfirsichsämlingen. Kranke Pflanze 10: 121. S.1933. no.9.
Pestalozzia hartigii, considered by some only a saprophyte.

Philipp, W.
Die widerstandsfähigkeit der obstbäume gegen chemische einflüsse. Kranke Pflanze 10: 125-127. S.1933. no.9.

Louisiana Conserv. Rev. (New Orleans) (279.9L93C)

Glenk, R.
The pines as living fossils of the plant world. Louisiana Conserv. Rev. 3: 7-12, 38. illus. O. 1933. no.4.

Hartley, C.
Cause and cure of dry rot in house wood-work. Louisiana Conserv. Rev. 3: 36-37. O. 1933. no.4.

Madras Agr. Journ. (22M262)

Ayyar, V. R. & Balasubrahmanyan, R.
Occurrence of sterile plants in Bengal gram (Cicer arietinum). Madras Agr. Journ. 21: 392-393. pl. i. S. 1933. no.9.

Jaganatha Rao, C.
A note on the occurrence of small outgrowths on the calyx ring of the cotton flower. Madras Agr. Journ. 21: 394. pl. S.1933. no.9.

Seshadri, T. R.
A sugary exudation from sorghum. Madras Agr. Journ. 21: 394-396. S.1933. no.9.
Sweet sorghum called Tella jonna.

Madroño (San Francisco) (450M26)

Bacigalupi, R.

Pinus flexilis in the Upper Kern River watershed. Madroña 2: 107-108. O. 1933. no.13

Bowerman, M. L.

A note on the genus Lysichitum. Madroña 2: 106-107. O. 1933. no.13.

L. camtschatcense strictly Asiatic, L. americanum limited to Pacific Coast of North America.

Henderson, L. F.

A new Sericocarpus from Oregon. Madroña 2: 105. O. 1933. no.13.

Sericocarpus sipei.

Jepson, W. L.

Yampah and filaree. Madroña 2: 109-110. O. 1933. no.13.

Anethum graveolens, Erodium cicutarium.

Keck, D. C.

John Wynne Gillespie. Madroña 2: 111. O. 1933. no.13.

Mem. Coll. Agr. Kyoto Imp. Univ. (107.6K994)

Katayama, Y.

Crossing experiments in certain cereals with special reference to different compatibility between the reciprocal crosses. Mem. Coll. Agr. Kyoto Imp. Univ. 27(Gen.Ser.2) 75 p. illus. Je. 1933.

Tanaka, S.

Studies on black spot disease of the Japanese pear (Pirus serotina Rehd.) Mem. Coll. Agr. Kyoto Imp. Univ. 28(Phytopath. Ser.6). 31 p. illus., ii pl. Je. 1933.

Alternaria kikuchiana n.sp.

Memento Serv. Défense Vég. Morocco (24M82M)

Morocco. Direction générale de l'agriculture, du commerce et de la colonisation. - Service de la défense des végétaux.

L'anthracnose du haricot. Its Memento 7. 5 p. pl. S. 1933.

Missouri Bot. Gard. Bull. (St. Louis) (89M69B)
Beilmann, A.P.
New or noteworthy plants for St. Louis, V. Pterocarya rehderiana Schneider (wing-nut). Missouri Bot. Gard. Bull. 21: 120-122. pl.31-32. O. 1933. no.8.

Moore, J. A.
The flora of postage stamps. Missouri Bot. Gard. Bull. 21: 122-125. O. 1933. no.8.

Nat. Hort. Mag. (Washington, D. C.) (81N219)
Andrews, D. M.
A garden of Pentstemons. Nat. Hort. Mag. 12: 284-291. illus. O.1933. no.4.

Fellows, K. F.
Dwarf roses. Nat. Hort. Mag. 12: 293-297. O. 1933. no.4.

Gersdorff, C. E. F.
Notes on bulbous iris. Nat. Hort. Mag. 12: 325-329. illus. O. 1933. no.4.

Purdy, C.
Brodiaea. Nat. Hort. Mag. 12: 299-305. illus. O. 1933. no.4.

Slavin, A. D.
Forms of pine. II. Nat. Hort. Mag. 12: 307-316. illus. O. 1933. no.4.

Young, R. A.
The chayote, a little know Guatemalan vegetable. Nat. Hort. Mag. 12: 337-342. illus. O. 1933. no.4.

Zimmerman, G. A.
Selecting and grafting new varieties of nut trees in Pennsylvania. Nat. Hort. Mag. 12: 356-360. O. 1933. no.4.

Natur u. Mus. (Frankfurt a.M.) (509F856)
Dewers, F.
Die geologische bedeutung der pflanzenwurzeln. Natur u. Mus. 63: 253-259. illus. Ag.1933. no.8.

Eberle, G.
Linnés lieblingsblume, das moosglöckchen (Linnaea borealis). Natur u. Mus. 63: 238-242. illus. Jl.1933. no.7.

Natur u. Mus. (cont.)

Firbas, F.
Ueber den aufbau von pflanzengesellschaften.
Natur u. Mus. 63: 274-283. illus. Ag. 1933. no.8.

Knoll, F.
Ueber pollenschleudernde Catasetum-blüten.
Natur u. Mus. 63: 245-250. illus. Jl.1933. no. 7.

Naturaliste Canad. (Quebec) (410N216)

Bordeleau, R.
La pourriture noire des racines du tabac.
Naturaliste Canad. 60: 307-312. O.1933. no.10.
Thielavia basicola.

Rousseau, J.
Essai de bibliographie botanique canadienne. (cont.) Naturaliste Canad. 60: 303-306. O. 1933. no.10.

Nature (London) (472N21)

Insect transmission of spike-disease. Nature 132: 592-593. O.14, 1933. no.3337.

Cook, W.R.I. & Forbes, E. J.
Investigations on aquatic fungi. Nature 132: 641-642. O.21, 1933. no.3338.

Robinson, R.
Natural colouring matters and their analogues. Nature 132: 625-628. O.21, 1933. no.3338.

New Zeal. Journ. Agr. (Wellington) (23N48J)

Allan, H. H.
Notes on recently observed exotic weeds. 4. The barley grasses. New Zeal. Journ. Agr. 47: 182-184. illus. S.20, 1933. no.3.

Cunningham, G. H.
Orchard sprays in New Zealand. VI. The nicotine series. New Zeal. Journ. Agr. 47: 154-160. S.20, 1933. no.3.

New Zeal. Journ. Sci. & Techn. (Wellington) (514N48)

Askew, H. O.
Influence of season and of ammonium sulphate on the chemical composition of perennial rye-grass and of white clover. New Zeal. Journ. Sci. & Techn. 15: 143-154. S.1933. no.2.

Notizbl.Bot. Gart. Berlin (451345N)

Burret, M.
Palmae neogeae. IV. Notizbl. Bot. Gart. Berlin 11: 857-866. Ag.1, 1933. no.109.

Burret, M.
Schippia, eine neue palmengattung aus Brit. Honduras. Notizbl. Bot. Gart. Berlin 11: 867-869. Ag.1, 1933. no.109.
S. concolor.

Burret,M.
Zwei kultivierte Chamaedorea-arten wildwachsend wiedergefungen. Notizbl. Bot. Gart. Berlin 11: 870-871. Ag.1, 1933. no.109.
C. geonomiformis, C. arenbergiana.

Diapulis, C.
Zwei neue Pomaceae aus dem Orient. Notizbl. Bot. Gart. Berlin 11: 884-888. illus. Ag.1, 1933. no.109.
Pirus argyrophylla, Crataegus montesantosii.

Francey, P.
Beitrag zur kenntnis der gattung Sessea. Notizbl. Bot. Gart. Berlin 11: 879-883. Ag.1, 1933. no.109.
Sessea confertiflora, S. macrophylla, S. pedicellata n.spp.

Gilg-Benedict, C.
Die gattung Erythraea in Brasilien. Notizbl. Bot. Gart. Berlin 11: 903. Ag.1, 1933. no.109.
Erythraea brasiliensis.

Mildbraed, J.
Ein hekter regenwald auf Fernando Poo aufgenommen von H. Burchardt. Notizbl. Bot. Gart. Berlin 11: 946-950. Ag.1, 1933. no.109.

Mildbraed, J.
Neue und seltene arten aus Ostrafrika (Tanganyike-Territ. Mandat) leg. H.J. Schlieben. IV. Notizbl. Bot. Gart. Berlin 11: 912-945. Ag.1, 1933. no.109.

Schulz, O. E.
Ein neue cruciferen-gattung in Mittelasien. Notizbl. Bot. Gart. Berlin 11: 872-873. Ag.1, 1933. no.109.
Mitophyllum (M.pachyrrhizum)

Notizbl. Bot. Gart. Berlin (cont.)
Schulz, O. E.
Neue cruciferen. Notizbl. Bot. Gart. Berlin 11: 873-876. Ag.1, 1933. no.109.
Draba burkartiana, D. tucumanensis n.spp.

Schulz, O. E.
Neue umbelliferen. Notizbl. Bot. Gart. Berlin 11: 876-878. Ag.1, 1933. no.109.
Ferula stewartiana n.sp.

Ulbrich, E.
Morchelloide und tremelloide formen von agaricaceen. II. Notizbl. Bot. Gart. Berlin 11: 904-908. illus. Ag.1, 1933. no.109.

Ulbrich, E.
Ueber die gattung Thelygonum Sauv.ex L. 1753. Notizbl. Bot. Gart. Berlin 11: 889-902. illus. Ag.1, 1933. no.109.

Ulbrich, E.
Ueber eine eigenartige verwachsung eines ringlosen und beringten fruchtkörpers von Boletus luteus Fr. Notizbl. Bot. Gart. Berlin 11: 908-911. Ag.1, 1933. no.109.

Pharm. Zentralh. (Dresden) (396.8P492)
Valentin, H.
Kartoffeln frischer ernte mit hohem solaningehalt. Pharm. Zentralh. 74: 611-614. O.5, 1933. no.40.

Phosphorsaure (57.8P562)
Cockefair, E. A.
Die rolle des phosphors beim stoffwechselprozess der pflanzen. Phosphorsäure 3: 548-564. 1933. no.9.

Proc. Amer. Cranberry Grow. Assoc. (81Am35C)
Beckwith, C. S.
Present methods for the control of false blossom. Proc. Amer. Cranberry Grow. Assoc. 64(1933): 8-15. Ag.31, 1933.

Proc. Biol. Soc. Washington (500W272)
Maxon, W. R.
A new Lycopodium from Western Guatemala. Proc. Biol. Soc. Washington 46: 159-160. O.26, 1933.
Lycopodium skutchii.

Proc. Biol. Soc. Washington (cont.)

Maxon, W. R.

A second species of Ormoloma. Proc. Biol. Soc. Washington 46: 157-158. O.26, 1933.

Ormoloma standleyi.

Proc. So. Afr. Sugar Techn. Assoc. (65.9So83)

McClean, A. P. D.

Streak disease of sugar cane. Proc. So. Afr. Sugar Techn. Assoc. 7(1933): 73-79. 1933.

Protoplasma (Leipzig) (442.8P94)

Iljin, W. S.

Ueber absterben der pflanzengewebe durch austrocknung und uber ihre bewahrung vor dem trockentode. Protoplasma 19: 414-442. illus. Ag. 1933. no.3.

Küster, E.

Dellen und löcher im protoplasma lebender pflanzenzellen. Protoplasma 19: 443-451. illus. Ag. 1933. no.3.

Küster, E.

Die plasmodesmen von Codium. Protoplasma 19: 335-349. illus. Ag. 1933. no.3.

Beitrage zur pathologie des protoplasmas.

Montfort, C.

Ueber lichtempfindlichkeit und leistungen roter tiefseealgen und grottenflorideen an freier meeresoberfläche. Protoplasma 19: 385-413. illus. Ag. 1933. no.3.

Ein beitrag zur ökologie des protoplasmas.

Petri, L.

Nachweis der mitogenetischen strahlung durch eine physikalische methode. Protoplasma 19: 365-369. illus. Ag. 1933. no.3.

Weber, F.

Myelinfiguren und sphärolithe aus Spirogyra-chloroplasten. Protoplasma 19: 455-462. illus Ag. 1933. no.3.

Weber, F.

Zur permeabilität der schliesszellen. Protoplasma 19: 452-454. illus. Ag.1933. no.3.

Rep. Assoc. Hawaiian Sugar Techn.
Cooke, D. A.
The relation of Pythium to growth failure on phosphate fixing soils. Rep. Assoc. Hawaiian Sugar Techn. 12(1933): 169-178. illus. 1933.

Martin, J. P.
The cane disease situation in Hawaii today. Rep. Assoc. Hawaiian Sugar Techn. 12(1933):87-90. 1933.

Rep.Dept. Agr. N.S.W. (24N47A)
New South Wales. Dept. of agriculture.
Report of biologist. In its Rep. 1931/32: 22-23. 1933.
G. P. Darnell-Smith, biologist.

Rev. Acad. Cienc. Madrid (506M26R)
Unamuno, L. M.
Contribucion al estudio de los hongos microscopicos de Galicia. Rev. Acad. Cienc. Madrid 30: 460-518. illus., 3 pl. S. 1933.

Rev. Bot. Appl. (Paris) (26R323)
Aubréville, A.
Les acacias de l'Afrique Occidentale Francaise. Act. Compt. Rend. Assoc. Colon.-Sci. (With Rev. Bot. Appl. v.13, no.144/145) 9:167-181. illus. Ag./S. 1933. no.98/99.

Chevalier, A.
Les euphorbes crassulascentes de l'Ouest et du Centre Africain et leurs usages. Rev. Bot. Appl. 13: 529-570. illus., pl. vii-x. Ag./S. 1933. no.144/145.
E. trapaeifolia, E. paganorum, E. baga n.spp.

Chevalier, A.
Sur les epicéas à troncs munis de contreforts des forêts du Jura. Rev. Bot. Appl. 13: 651-655. illus. Ag./S.1933. no.144/145.
Abies excelsa.

Rev. Sci. (Paris) (473R32)
Josserand, M.
Les divers types d'empoisonnements par les champignons. Rev. Sci. 71: 582-587. illus. O.14, 1933. no.19.

Rhodora (Boston) (450R34)
Drouet, F.
Notes on the flora of Columbia, Missouri.
Rhodora 35: 359-364. N.1933. no.419.

Fernald, M. L.
Recent discoveries in the Newfoundland flora.
(cont.) Rhodora 35: 365-386. pl.269-273.
N. 1933. no.419.

Smith, L. B.
Reports on the flora of Massachusetts. II.
Rhodora 35: 351-359. N. 1933. no.419.
By committee on the flora of Massachusetts;
L. B. Smith, Chairman.

Weatherby, C. A.
Aristida longespica in Connecticut. Rhodora
35: 386. N. 1933. no.419.

Riv. Biol. (Milan) (442.8R52)
Canonici, O.
Studi sulla fermentazione citrica: Tentativi
di differenziazione culturale e sierologica di
alcuni ceppi di Aspergillus niger. Riv. Biol.
15: 280-298. illus. My./Ag. 1933. no.3/4.
English summary: p.297.

Leonardi, P.
Contributo allo studio dell'azione del manganese nella vita vegetale. III. Effetti in rapporto
alla profondita di semina ed alla vegetazione
della Vicia faba. Nota sperimentale. Riv. Biol.
15: 235-252. illus. My./Ag. 1933. no.3/4.

Science (470Sci2)
Cannon, W. A., Demaree, D. & Purer, E. A.
Evaporation, transpiration and oxygen
consumption by roots. Science 78: 388-389.
O.27, 1933. no.2026.

The control of white pine blister rust. Science
v.78, no.2026. Suppl. 9-10. O.27, 1933.

Traub, H. P. & Auchter, E. C.
Sprouting and grafting fractional parts of
avocado embryos with attached cotyledonous material.
Science 78: 389-390. O.27, 1933. no.2026.

Sci. Bull. Dept. Agr. N.S.W. (23N47S)
Magee, C. J.
Etiology of the chocolate spot disease of broad beans. Sci. Bull. Dept. Agr. N.S.W. 43. 8 p. ii pl. Ag. 1933.
Caused by deposition of honeydew by aphids on foliage; of minor significance in crop failures.

Scient. Month. (470Sci23)
Kunkel, L. O.
Pests away from home. Scient. Month. 37: 454-456. N. 1933. no.5.
Chestnut blight, white pine blister rust.

Scott. For. Journ. (99.9R81T)
Laing, E. V.
Elaphomyces sp. (false truffle) and tree roots. Scott. For. Journ. 47: 14-18. illus. Mr.1933. no.1.

Scott. Journ. Agr. (Edinburgh) (10Sco82So)
Smith, K. M.
Some virus diseases of the potato and other farm crops. Scott. Journ. Agr. 16: 446-456. illus., 3 pl. O. 1933. no.4.

Sinensia Contr. Metrop. Mus. Nat. Hist. Nanking (410.9Si62)
Yu, T. F.
Studies on Helminthosporium leaf spot of maize. Sinensia Contro. Metrop. Mus. Nat.Hist. Nanking 3: 273-318. 4 pl. My. 1933. no.11.
Ophiobolus heterostrophus.

Sovetsk. Botanika
Elenkin, A. A. & Ol, L.
Uspekhi floristicheskoĭ al'gologii v SSSR za poslednie pi͡at let (s 1926 po 1931 gg.) (Fortschritte der floristischen algologie im laufe der letzten 5 jahre (1926-1931). Sovetsk. Botanika 1: 45-55. 1933.
Russian with German summary.

Keller, B.
Nikolaĭ Ivanovich Kuznetsov. Sovetsk. Botanika 1: 80-91. port. 1933.
Contributions also by V.L.Komarov & Iu. Zinserling.

Sovetsk. Botanika (cont.)

Palibin, I. V.
Ĭuriĭ Nikolaevich Voronov. Sovetsk. Botanika 1: 91-92. port. 1933.

Sunyatsenia (Hong Kong)

Chun, W.-Y.
Tutcher's enumeration of Kwangtung plants in the reports on the botanical and forestry department of Hongkong. Sunyatsenia 1: 157-187. Jl. 1933. no.2/3.

Includes reprint of supplements of Tutcher's annual reports.

Dandy, J. E.
A new liliaceous plant from Kwangtung. Sunyatsenia 1: 127. pl.32. Jl. 1933. no.2/3.

Campylandra kwangtungensis.

Diels, L.
Two new species of Kwangtung plants. Sunyatsenia 1: 123. Jl.1933. no.2/3.

Balanophora valida, Phlebochiton sinense.

Exell, A. W.
The Combretaceae of China. Sunyatsenia 1: 85-94. pl.21-23. Jl.1933. no.2/3.

Combretum yunnanense n.sp., Terminalia franchetii var. genuina n.var.

Exell, A. W.
A revision of the genus Rhodoleia. Sunyatsenia 1: 95-102. pl.24-28. Jl. 1933. no.2/3.

R. forrestii, R. subcordata, n.spp.

Hu, H. H.
A review of the genus Carpinus in China. Sunyatsenia 1: 103-120. pl.29. Jl. 1933. no.2/3.

C. laxiflora var. tientaiensis, C. turczaninowii var. oblongifolia, n.var., C. hupeana n.sp.

Kong, Y. L.
Two new grasses from Kwangtung. Sunyatsenia 1; 128-130. pl.33. Jl. 1933. no.2/3.

Hemarthria humilis, Isachne repens.

Melchior, H.
Viola kwangtungensis, a new violet from China. Sunyatsenia 1: 124-126. pl.31. Jl. 1933. no.2/3.

Sunyatsenia (cont.)
Schmidt, O. C.
A new Asarum from Kwangtung. Sunyatsenia 1: 121-122. pl.30. Jl.1933. no.2/3.
Asarum longepedunculatum.

Tso, C. L.
Notes on the orchid flora of Kwangtung. Sunyatsenia 1:131-156. Jl. 1933. no.2/3.

La Terre Maroc. (Rabat) (24T44)
Miege, E.
Les plantes fourragères du Maroc. (cont.) La Terre Maroc. 3(41): 3-9. illus. O.1, 1933.

Trans. Nat. Hist. Soc. Formosa (J410.9N19)
Hosokawa, T.
Florula Liukiusyoensis III. Trans. Nat. Hist. Soc. Formosa 23: 211-240. Ag. 1933. no.126/127.

Masamune, G.
Beiträge zur kenntnis der flora von Südjapan. Trans. Nat. Hist. Soc. Formosa 23: 204-210. Ag. 1933. no.126/127.
Chimaphila tawniana, C. fukuyamai, Photonia kudoi, Asarum yakusimense, Lecanorchis ohwii, Cryptostylis taiwaniana n.spp.

Trudy Prikl. Bot., Gen. i Selek. Ser. I, Sist., Geogr. Ekol. Rast. (Bull. Appl. Bot., Gen. & Plant-breed. I. Ser., Taxon. Geogr. & Ecol. Plants.) (Leningrad) (451R92Ta)
Artsikhovski, V. M.
Dopolnitel'nye svedenii͡a k anatomii saksaulov. (Additional data on the anatomy of saxauls). Trudy Prikl. Bot., Gen. i Selek. Ser. I, Sist., Geogr. i Ekol. Rast. (Bull. Appl. Bot., Gen. & Plant-breed. I. Ser., Taxon., Geogr. & Ecol. Plants) 1: 41-48. illus. 1933.
Russian with English summary.

Artsikhovski, V. M.
Fiziologii͡a repetekskikh psammofitov (The physiology of psammophytes). Trudy Prikl. Bot., Gen. i Selek. Ser. I, Sist., Geogr. & Ekol. Rast. (Bull. Appl. Bot., Gen. & Plant-breed. I. Ser., Taxon., Geogr. & Ecol. Plants) 1: 11-40. illus. 1933.
Russian with English summary.

Trudy Prikl. Bot., Gen. i Selek. Ser. I Sist., Geogr. Ekol. Rast. (Bull. Appl. Bot., Gen. & Plant-breed. I. Ser., Taxon. Geogr. & Ecol. Plants) (cont.)

Bazilevskai͡a, N. A. & Suslova, M. I.
Izuchenie morfologii i biologii psammofitov v svi͡azi s vyborom naibolee prigodnykh vidov dli͡a zakreplenii͡a peskov (Study of the morphology and biology of psammophytes for the purpose of choosing the fittest to bind the sands). Trudy Prikl. Bot. Gen. i Selek. Ser. I, Sist., Geogr. i Ekol. Rast. (Bull. Appl. Bot., Gen. & Plant-breed. I Ser., Taxon., Geogr. & Ecol. Plants) 1: 89-112. illus. 1933.
Russian with English summary.

Petrov, M. P.
Kornevye sistemy rasteniĭ peschanoĭ pustyni Karakumy, ikh raspredelenie i vzaimootnoshenii͡a v svi͡azi s ekologicheskimi uslovii͡ami (The root systems of plants in the sand desert of Karakum). Trudy Prikl. Bot., Gen. i Selek. Ser., I. Sist., Geogr. i Ekol. Rast. (Bull. Appl. Bot., Gen. & Plant-breed. I. Ser., Taxon., Geogr. & Ecol. Plants) 1: 113-208. illus., fold. plates. 1933.
Russian with English summary.

Petrov, M. P.
Vladimir Martinovich Artsikhovskii 1876-1931 Trudy Prikl. Bot., Gen. i Selek. Ser. I, Sist., Geogr. i Ekol. Rast. (Bull. Appl. Bot., Gen. & Plant-breed. I. Ser. Taxon., Geogr. & Ecol. Plants) 1: 5-10. port. 1933.
Russian.

Radkevich, O. N. & Vasilevskaja, V. K.
Anatomicheskoe stroenie pobegov pervogo goda u drevesnyky form peschanoĭ pustyni Kara-Kumy (Anatomical structure of the first year's shoots in the trees and shrubs of the sand desert Karakum). Trudy Prikl. Bot., Gen. i Selek. Ser. I, Sist., Geogr. i Ekol. Rast. (Bull. Appl. Bot., Gen. & Plant-breed. I. Ser., Taxon., Geogr. & Ecol. Plants) 1: 49-88. illus. 1933.
Russian with English summary.

Sokolovskai͡a, A. P.
K voprosu p vlii͡anii solnechnoĭ radiatsii na temperaturu nekotorykh rasteniĭ peschanoĭ pustyni Karakumy (The effect of sun radiation on the temperature of some plants of the Karakum desert). Trudy Prikl. Bot., Gen. i Selek. Ser. I, Sist., Geogr. i Ekol. Rast. (Bull. Appl. Bot., Gen. & Plant-breed. I. Ser., Taxon. Geogr. & Ecol. Plants) 1: 209-229. 1933.
Russian with English summary.

Trudy Prikl. Bot., Gen. i Selek. Ser. I. Sist., Geogr. Ekol. Rast. (Bull. Appl. Bot., Gen. & Plant-breed. I. Ser., Taxon. Geogr. & Ecol. Plants) (cont.)

Vasilevska͡ia, V. K.

Razvitie drevesiny kustarnikov i derev'ev peschanoi pustyni Kara-Kumy (The development of the wood in the trees and shrubs of the sand desert Kara-kum) Trudy Prikl. Bot., Gen. i Selek. Ser. I, Sist., Geogr. i Ekol. Rast. (Bull. Appl. Bot., Gen. & Plant-breed. I. Ser., Taxon., Geogr. & Ecol. Plants) 1: 231-260. illus. 1933.

Russian with English summary.

Trudy Zashch. Rast. II. Ser. Fitopat. (Bull. Plant Prot. II. Ser. Phytopath. (Leningrad) (423.92L54P)

Fedotova, T. I.

K metodike opredeleni͡ia zapazhennosti pochv kiloiu (Plasmodiophora brassicae Wor.) (Contribution to the method of estimating the infection of the soil by Plasmodiophora brassicae Wor.) Trudy Zashch. Rast. II. Ser. Fitopat. (Bull. Plant Prot. Ser. II, Phytopath.) 3: 51-83. pl.vi. 1933.

Russian with English summary.

Fedotova, T. J.

O novom etape v razvitii fitopatologii (On a new way of development for phytopathology). Trudy Zashch. Rast. II. Ser. Fitopat. (Bull. Plant Prot. II. Ser. Phytopath.) 3: 1-7. 1933.

Russian.

Naumov, N. A.

K vyiasneni͡iu vli͡iani͡ia pochvennykh faktorov na rizvitie kily krestotsvetnyky (A contribution to the knowledge of the influence of soil factors on the development of Plasmodiophora in Cruciferae). Trudy Zashch. Rast. II. Ser. Fitopat. (Bull. Plant Prot. Ser. II, Phytopath.) 3: 32-50. pl.iii-v. 1933.

Russian with English summary.

Role of pH in development of Plasmodiophora brassicae.

Rochlin, E. I.

K voprosu o nevospriimchivoati krestotsvetnyky k Plasmodiophora brassicae Wor. (On the absence of susceptibility to Plasmodiophora brassicae Wor. in Cruciferae). Trudy Zashch. Rast. II. Ser. Fitopat. (Bull. Plant Prot. II. Ser. Phytopath.) 3: 8-31. illus., pl.i-ii. 1933.

Russian with English summary.

Die Umschau (Frankfurt) (474Um7)

Kofler, L.

Wirkung der saponine. Die Umschau 37: 795-797. illus. O.7, 1933. no.41.

Kuhn, K.

Neues von den mitogenetischen strahlen. Die Umschau 37: 817-818. O.14, 1933. no.42.

U.S. Dept. Agr. Circ. (1Ag84C)

Arceneaux, G., Stokes, I. E., Bisland, R. B. & Krumbhaar, C. C.

Variety tests of sugarcanes in Louisiana during the crop year 1931-32. U.S. Dept. Agr. Circ. 298. 31 p. O. 1933.

Holbert, J. R., Burlison, W. L. & Johnson, A. G.

Portable refrigeration chambers for studying cold resistance of plants in the field. U.S. Dept. Agr. Circ. 285. 28 p. illus. S. 1933.

McKay, M.B., Dykstra, T.P., Morris, H.E., Young, P.A. Richards, B.L. & Blood, H.L.

Virus and viruslike diseases of the potato in the Northwest and their control. U.S. Dept. Agr. Circ. 271. 31 p. illus., 8 pl. Jl.1933.

U.S. Dept. Agr. Techn. Bull. (1Ag84Te)

Smith, G. S. & Clark, J. A.

Inheritance of stem-rust reaction and correlation of characters in Pentad, Nodak, and Akrona durum-wheat crosses. U.S. Dept. Agr. Techn. Bull. 385. 27 p. illus. O.1933.

U.S. Dept. Agr. Plant Dis. Rep. (1.9P69P)

Leaf variation appears in the Blakemore strawberry. U.S. Dept. Agr. Plant Dis. Rep. 17: 145-147. O.15, 1933. no.12.

Veröffentl. Geobot. Inst. Rübel, Zürich (451Z83)

Braun-Blanquet, J. & Rübel, E.

Flora von Graubünden. Veröffent. Geobot. Inst. Rübel, Zurich no.7, lfg. 2, p.385-820. 1933.

Watson's Micros. Rec. (London) (440.3W33)

Jane, F. W.

The microscopic examination of woody material. (cont.) Watson's Micros. Rec. 29: 8-9. illus. My. 1933; 30: 8-11. illus. S.1933.

Watson's Micros. Rec. (cont.)

Meakin, S. H.
Mounting diatoms in hyrax. Watson's Micros. Rec. 30: 6. S. 1933.

Pittock, F. J.
The mica-sheet method of making microscopial preparations. Watson's Micros. Rec. 30: 3. S. 1933.

Zeitschr. Pflanzenernähr. Düng. u. Bodenk. B, Wirtsch.-Prakt. Teil (384Z343B)

Eichinger, A.
Unkrautflora und kalkzustand des bodens. Zeitschr. Pflanzernänr. Düng. u. Bodenk. B, Wirtsch.-Prakt. Teil 12: 401-424. S.1933. no.9.

Husemann, C.
Feinheitsgrad und chlorgehalt des staubkainits und ihr einfluss auf den erfolg der unkrautbekämpfung. Zeitschr. Pflanzenernähr. Düng. u. Bodenk. B, Wirtsch.-Prakt. Teil 12: 468-474. O.1933. no.10.

Zeitschr. Pflanzenkr. (Stuttgart) (464.8Z3)

Savulescu, T.
Beitrag zur kenntnis der biologie der Puccinia-arten, die den weizen in Rumänien befallen. Zeitschr. Pflanzenkr. 43: 577-594. illus. (maps) O. 1933. no.10.

Wieler, A.
Ueber akute und chronische rauchschäden. Zeitschr. Pflanzenkr. 43: 594-620. O. 1933. no.10.

Zeitschr. Zellforsch. & Microsk. Anat. (Berlin) (442.8Z33B)

McClintock, B.
The association of non-homologous parts of chromosomes in the mid-prophase of meiosis in Zea mays. Zeitschr. Zellforsch. & Mikrosk. Anat. 19: 191-237. illus., pl. vii-xii. S.22, 1933. no.2.

Zentralbl. Bakt. Abt.II. (Jena) (448.3C33)

Chester, K. S.
Studies on bacteriophage in relation to phytopathogenic bacteria. Zentralbl. Bakt. Abt. II. 89: 1-30. illus. O.2, 1933. no.1/4.
Bacteriophage in relation to crown gall disease in Pelargonium and Beta.

Der Züchter (Berlin) (442.8Z8)

Kuckuck, H.

Die entstehung von wintergersten aus kreuzungen von sommergersten und ihre praktische bedeutung. Der Zuchter 5: 196-199. S. 1933. no.9.

Lieber, R.

Beobachtungen und arbeitsergebnisse in der badischen maiszuchtung. Der Züchter 5: 193-196. S. 1933. no.9.

Veh, R. v.

Ueber die fruchtbarkeit beim kernobst. Der Züchter 5: 199-208. illus. S. 1933. no.9.

Exp. Stat. Publ.

California Agricultural Experiment Station.

The efficacy and economic effects of plant quarantines in California. California Agr. Exp. Stat. Bull. 553. 276 p. illus. (maps) Jl.1933. (Rec'd N.)(100C12S)

Mowry, H.

Ornamental trees. Florida Agr. Exp. Stat. Bull.261. 134 p. illus. Je.1933(Rec'd O.) (100F66S)

Check list of the native trees of Florida: p.121-134.

Salmon, S. C.

Resistance of varieties of winter wheat and rye to low temperature in relation to winter hardiness and adaptation. Kansas Agr. Exp. Stat. Rechn. Bull.35. 66 p. illus. Jl. 1933(Rec'd Oct.) (100K13S)

State Publications

Curtis, R. W. & Wyman, D.

Woody plants that tolerate shade. Cornell Ext. Bull.268. 32 p. illus. S. 1933(275.29N48E)

Lineberry, R. A., Skinner, J. J., Mann, H. B. & Williams, C. B.

Effect of quickly available nitrogen on returns from strawberries on Norfolk sandy loam. North Carolina Agr. Exp. Stat. Agron. Inform. Circ 82. 6 p. pl. S. 1933. (275.29N811Ag)

New Books.

Appel, O.
Gemüsekrankheiten. Berlin, P. Parey, 1933. (Pareys Taschenatlanten 11) (464.04Ap4G)

Barrett, M. F.
Three keys to wild flowering plants of Connecticut, southeastern New York, New Jersey and eastern Pennsylvania. Bloomfield, N. J., 1933 (455.2B27)
A. Submerged and surface-floating aquatics. B. Autumn flowering monocotyledons. C.Autumn flowering composites.

Braun, E.
Zur pharmakognosie der ericaceen und primulaceen. Anatomie des laubblattes. Lörrach-Stetten, Buchdruckerei K. Schahl, 1933 (463.47B73)
Inaug.-diss. Basel.

Dachnowski-Stokes, A. P.
Peat deposits in USA. Their characteristic profiles and classification. Berlin, Borntraeger, 1933 (Handbuch der moorkunde hrsg. von K.v. Bulow, VII) (56H19)
Dachnowski-Stokes' contribution: p.1-140. - Auer, V.Peat bogs of southeastern Canada: p.141-223. - Auer, V. Die moore Südamerikas, insbesondere Feuerlands: p.224-242.

Green, C.T.
The flora of the Liverpool district. [new ed.] Arbroath, T. Buncle, 1933(458G82)

Lavrov, N. N.
Opredelitel rastitel'nykh parazitov kul'turnykh i dikorastushchikh poleznykh rastenii Sibiri [Key for identification of vegetable parasites of cultivated and wild useful plants of Siberia] I. Tomsk, Izdatel'stvo "Kusuch", 1932. (464L39)
Russian. English review in Rep. Appl. Mycol. 12: 306-307.

Miller, V. V.
Voprosy biologii i diagnostiki domovykh gribov [Points on the biology and diagnosis of house fungi] Moskva, Leningrad, 1932 (464.07M61)
Russian. English summary Rev. Appl. Mycol. 12: 256. Merulius lacrymans, Poria varporaria, Coniophora cerebella.

Molisch, H.
Pflanzenchemie und pflanzenverwandtschaft. Jena, G. Fischer, 1933 (463.2M73P)

New Books (cont.)

Perrier de la Bathie, H.
Polygalaceae. Tananarive, 1933. (Catalogue des plantes de Madagascar publié par l'Académie malgache.)(460.51Ac1)

Quinzaine nationales de la production agricole d'outre-mer.
Congres nationale des textiles végétaux. Paris, 1931 (5Q4,v.6)
Textiles. Coton.

Quinzaine nationale de la production agricole d'outre-mer.
Congrès des productions végétales communes a la métropole et aux pays d'outre-mer. Paris, 1931 (5Q4,v.4)

Solereder, H. & Meyer, F.J.
Systematische anatome der monokotyledonen. 1. h., 1. teil. Typhaceae - Scheuchzeriaceae. Berlin, Borntraeger, 1933 (463.4So4M)

Taylor, A. D.
Developing the small home grounds. Philadelphia, Ladies' home journal, 1933. (98T212)
Lists of plants for various uses: p.22-29.

Vickery, H. B., Pucher, G. W., Wakeman, A. J. & Leavenworth, C. S.
Chemical investigations of the tobacco plant. Washington, D. C., Ag. 1933 (Carnegie Institution of Washington, Publ. no.445 (69V66)
With technical assistance of Laurence S. Nolan.

Went, F. A. F. C.
Lehrbuch der allgemeinen botanik. Vom verfasser aus dem Holländischen übersetzt. Jena, G. Fischer, 1933 (463W48)

Wulff, E. V.
Efirnomaslichnye rasteniia ikh kul'tura i efirnye masla... (Essential oil plants, their cultivation and essential oils. v.l. 1933. (308W95)
Russian.

Zschacke, H.
Verrucariaceae (cont.) In Rabenhorst's Kryptogamen-flora von Deutschland, Oesterreich und der Schweiz. IX. bd., abt.1/1, lfg. 3. 1933. (461R11)

Reprints from publications not yet rec'd or not available.

Goossens, A. P.

The genus Anthephora, Schreb. Reprinted from Trans. Roy. Soc So. Africa 20: 189-200. illus. 1932.

A. ramosa, A. angustifolia, A. aequiglumis, A. argentea n.spp.

Kawamura, S.

A note in garden varieties and teratological forms of lotus (Nelumbo nucifera Gaertn.) flower. Reprinted from Bull. Chiba Coll. Hort. Japan no.1. p.119-125. pl.xx-xxiii (2 col.) F.1932.

Translations filed in Library of Bur. of Plant Industry.

Liese, J.

Beobachtungen über die biologie holzzerstörender pilze. (Observations on the biology of wood-destroying fungi) Angew. Bot. 13: 138-150. Mr./Ap.1931. no.2.

Müller, K. O.

Untersuchungen zur entwicklungsgeschichte und biologie von Hypochnus solani P. u. D.(Rhizoctonia solani K.) (Investigations on the history of developmant and biology of Hypochnus solani P. and D. (Rhizoctonia solani K.) Arb. Biol. Reichsanst. Land. u. Forstw. 13: 197-262. N. 1924. no.3.

Rischkow, V. L. & Karatschowsky, I. K.

Chlorophyllmangel und enzymwirkung. I. Katalasewirkung bei panaschierung und mosaikkrankheit. (Lack of chlorophyll and enzymatic action. I.Effect of catalase in variegation and mosaic disease). Beitr. Biol. Pflanz. Cohn. 20: 199-220. 1933. no.3.

BOTANY
CURRENT LITERATURE

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D.

LIBRARY
RECEIVED
★ DEC 7 - 1933 ★
U. S. Department of Agriculture

Vol. 15, no. 23. Nov. 6-18, 1933.

Admin. Rep. Dir. Agr. Brit. Guiana (9.6B774A)
British Guiana. Director of agriculture
Botanical and mycological investigations.
In his Admin. Rep. 1932: 30-31. 1933.
E.B. Martyn in charge.

Agr. Gaz. N.S.W. (Sydney) (23N472)
Edgar, G.
"Orange bush" provided poisonous to stock.
Agr. Gaz. N.S.W. 44: 785. O.1, 1933. no.10.
Cestrum aurantiacum.

May, R. G.
Prevention of blue mould of tobacco. Agr. Gaz.
N.S.W. 44: 745-748. illus. O.1, 1933. no.10.
Methods adopted with success at Bathurst.

Agr. Rev. Agropec. (Madrid) (15Ag84)
Herrero Egaña, M.
El factor poliembrionia en el género Citrus.
Agr. Rev. Agropec. (Madrid) 5: 657-663. illus.
O. 1933. no.58.

Amer. Bot. (Indianapolis, Ind.) (450Am33)
Clute, W. N.
The Franklinia. Amer. Bot. 39: 147-149.
pl. O. 1933. no.4.

Clute, W. N.
The meaning of plant names. LVI. The umbellifers.
Amer. Bot. 39: 155-159. O.1933. no.4.

Weber, A.
Botanizing in the "Smokies". Amer. Bot. 39:
160-163. O. 1933. no.4.

New form of Solidago. Amer. Bot. 39: 185-186.
O. 1933. no.4.
S. rigida, var. magna.

A northern Agave. Amer. Bot. 39: 178-179. O.
1933. no.4.
A. virginica.

Amer. Bot. (cont.)

Pawpaw poisonous. Amer. Bot. 39: 179. O. 1933. no.4.
Asimina triloba.

Plants and the cold. Amer. Bot. 39: 164-171. O. 1933. no.4.

Viability of seeds. Amer. Bot. 39: 179-181. O. 1933. no.4.

Vine peach. Amer. Bot. 39: 184-185. O. 1933. no.4.
Cucumis dudaim.

Amer. Midl. Nat. (Notre Dame, Ind.) (410M58)
Frizzell, D. L.
Terminology of types. Amer. Midl. Nat. 14: 637-668. N. 1933. no.6.

Hoskins, J. H.
A Ptychocarpus type of fructification from Illinois. Amer. Midl. Nat. 14: 726-728. illus. N. 1933. no.6.

Hoskins, J. H.
Scytonema alatum (Carm.) Borzi in Ohio. Amer. Midl. Nat. 14: 725-726. N. 1933. no.6.

Jones, K. L.
Ambrosia bidentata Michx. x A. trifida L. Amer. Midl. Nat. 14: 720-724. illus. N. 1933. no.6.

Knobloch, I. W.
Adventives in Western New York. Amer. Midl. Nat. 14: 729. N. 1933. no.6.

Rodger, E. A.
Wound healing in submerged plants. Amer. Midl. Nat. 14: 704-713. illus. N. 1933. no.6.

Swartz, D.
Studies of Arkansas fungi. Amer. Midl. Nat. 14: 714-719. N. 1933. no.6.

Amer. Nat. (470Am36)

Haldane, J. B. S.
Two new allelomorphs for heterostylism in Primula. Amer. Nat. 67:559-560. N./D. 1933. no.713.

Horlacher, W. R. & Killough, D. T.
Progressive mutations induced in Gossypium hirsutum by radiations. Amer. Nat. 67: 532-538. N./D. 1933. no.713.

Kirk, L. E.
The progeny test and methods of breeding appropriate to certain species of crop plants. Amer. Nat. 67: 515-531. N./D. 1933. no.713.

Kostoff, D.
Hybrid mutations. Amer. Nat. 67: 560-563. N./D. 1933. no.713.

Amer. Potato Journ. (75.8P842)

Hardenburg, E. V.
Some false notions about potato varieties. Amer. Potato Journ. 10: 201-204. O. 1933. no.10.

Stuart, W.
The identity of "Jersey red skin" or "red skins" Amer. Potato Journ. 10: 199-201. O. 1933. no.10.

Ann. Phys. et Physicocohim. Biol. (Paris) (447.8An7)

Baffet, O., Dunand, R. & Veil, C.
Sur la transmission de l'excitation phototropique dans la coléoptyle d'Avena. Ann. Phys. et Physicochim. Biol. 9: 867-871. 1933. no.4.

Bigwood, E. J., Ansay, J. & Thomas, J.
Contribution à l'étude de la forme oxydée du cytochrome de la levure. Ann. Phys. et Physicochim. Biol. 9: 837-842. 1933. no.4.

Bouillenne, R.
Substances formatrices de racines chez les plantes supérieures. Ann. Phys. et Physicochim. Biol. 9: 973-976. 1933. no.4.

François-Franck, L. & Auger, D.
Physiologie générale. Analyse cinématographique des mouvements du protoplasme en rapport avec la variation électrique dans l'excitation chez Nitella. Ann. Phys. et Physicochim. Biol. 9: 983-985. illus. 1933. no.4.

Ann. Bot. (London) (450An7)

Bancroft, H.
On certain fossil plants from East Africa. Ann. Bot. 47: 915-920. illus. O. 1933. no.188.

Bowen, E. J.
The mechanism of water conduction in the Musci considered in relation to habitat. III. Mosses growing in dry environment. Ann. Bot. 47; 899-912. illus. O. 1933. no.188.

Chippindale, H. G.
The effect of soaking in water on the 'seeds' of Dactylis glomerata L. Ann. Bot. 47: 841-849. O. 1933. no.188.

Cook, W. R. I. & Nicholson, W. H.
A contribution to our knowledge of Woronina polycystis Cornu. Ann. Bot. 47: 851-859. illus. O. 1933. no.188.

Darlington, C. D.
Chromosome study and the genetic analysis of species. Ann. Bot. 47: 811-814. O. 1933. no.188.

Dickinson, S.
The nature of saltation in certain species of Helminthosporium and Fusarium. Ann. Bot. 47: 920-921. O. 1933. no.188.

Dickson, H.
Saltation induced by x-rays in seven species of Chaetomium. Ann. Bot. 47: 735-754. illus., col.pl. xxiv-xxv. O. 1933. no.188.

Dowling, R. E.
The reproduction of Plantago coronopus: An example of morphological and biological seed dimorphism. Ann. Bot. 47: 861-872. illus. O. 1933. no.138.

Du Plessis, S. J.
The life-history and morphology of Olpidiopsis ricciae, nov.sp., infecting Riccia species in South America. Ann. Bot. 47: 755-762. illus.

Ewart, A. J.
On the presence of citrinin in Crotalaria crispata. Ann. Bot. 47: 913-915. O. 1933. no.188.

Ann. Bot. (cont.)

Fisher, R. A.
Selection in the production of the ever-sporting stocks. Ann. Bot. 47: 727-733. O. 1933. no.188.

Good, R.
A geographical survey of the flora of temperature South America. Ann. Bot. 47: 691-725. illus. (maps) O. 1933. no.188.

Hill, A. W.
The method of germination of seeds enclosed in a stony endocarp. Ann. Bot. 47: 873-887. illus. O. 1933. no.188.

Nayal, A. A.
A desert Protosiphon, Protosiphon botryoides (Kütz) Klebs, var. deserti. Ann. Bot. 47: 787-798. illus. O. 1933. no.188.

Sawyer, W. H.
The development of Entomophthora sphaerosperma upon Rhopobota vacciniana. Ann. Bot. 47: 799-809. illus., pl. xxviii-xxix. O. 1933. no.188.

Sharples, A. & Gunnery, H.
Callus formation in Hibiscus rosa-sinensis L. and Hevea brasiliensis Müll. Arg. Ann. Bot. 47: 827-839. pl.xxx-xxxiv. O. 1933. no.188.

Stone, L. H. A.
The effect of x-radiationon the meiotic and mitotic divisions of certain plants. Ann. Bot. 47: 815-826. illus. O. 1933. no.188.

Ware, W. M.
A disease of cultivated mushrooms caused by Verticillium malthousei sp.nob. Ann. Bot. 47: 763-785. illus., pl.xxvi-xxvii. O. 1933. no.188.

Arch. Jard. Bot. Rio de Janeiro. (451R47)

Ducke, A.
Plantes nouvelles ou peu connues de la région amazonienne. V. série. Arch. Jard. Bot. Rio de Janeiro 6: 1-106. pl. i-xi. Ja. 1933.

Arch. Jard. Bot. Rio de Janeiro (cont.)
Kuhlman, J. G. & Porto, P. C.
Contribuicão para a flora do Itatiaia.
Arch. Jard. Bot. Rio de Janeiro 6: 113-115.
pl. xiii-xiv. Ja. 1933 (Rec'd N.)
Ormosia getuliana, Anemone assisbrasiliana n.spp.

Kuhlmann, J. G.
Novo genero de celastraceas da flora amazonica.
Arch. Jard. Bot. Rio de Janeiro 6: 109-110. pl.xii.
Ja. 1933.
Goniodiscus elaeospermus.

Arch. Pharm. & Ber. Deut. Pharm. Ges. (Berlin) (396.8Ar2A)
Zörnig, H. & Braun, E.
Zur pharmakognosie der ericaceen und primulaceen. Anatomie des laubblattes. Arch. Pharm. & Ber. Deut. Pharm. Ges. 271: 401-417. illus.
O. 1933. no.7.

Beih. Bot. Centralbl. Abt.I. (Dresden) (450B65B)
Freytag, H.
Zur kenntnis der UV-strahlenwirkung auf blätter und fruchtschalen. Beih. Bot. Centralbl. Abt.I, 51: 408-436. illus. O. 1933. no.2.

Garms, H.
Untersuchungen über wundheilung an früchten.
Beih. Bot. Centralbl. Abt.I, 51: 437-516. illus.
O. 1933. no.2.

Kühl, R.
Vergleichend-entwicklungsgeschichtliche untersuchungen an der insectivore Nepenthes. Beih. Bot. Centralbl. Abt.I, 51: 311-334. illus., pl.iv.
O.1933. no.2.

Lohwag, H.
Mykologische studien. VIII. Bovista echinella Pat. und Lycoperdon velatum Vitt. Beih. Bot. Centralbl. Abt.I. 51: 269-286. illus., pl. iii.
O. 1933. no.2.

Meyer, F. J.
Beiträge zur vergleichenden anatomie der typhaceen (gattung Typha). Beih. Bot. Centralbl. Abt. I, 51: 335-376. illus. O. 1933. no.2.

Beih. Bot. Centralbl. Abt.I. (cont.)
Petschow, F.
Geotropismus und statolithenstärke bei bryophyten. Beih. Bot. Centralbl. Abt.I, 51: 287-310. illus. O.1933. no.2.

Schröppel, F.
Katalase, peroxydase und atmung bei der keimung lichtempfindlicher samen von Nicotiana tabacum. Beih. Bot. Centralbl. Abt.I, 51: 377-407. illus. O. 1933. no.2.

Ber. Deut. Chem. Ges. (Berlin) (384B45)
Hilpert, S. & Hofmeier, H.
Ueber den örtlichen nachweis und die quantitative bestimmung von chlorophyll in pflanzenteilen (nach versuchen von K. Heidrich) Ber. Deut. Chem. Ges. 66: 1443-1445. O.11, 1933. no.10.

Biochem. Journ. (London) (382B52)
Crawford, M. E. F. & Perry, E. O. V.
The vitamin content of the mango fruit. Biochem. Journ. 27: 1290-1293. 1933. no.4.

Macrae, T. F.
The proteolytic enzymes of yeast. Biochem. Journ. 27: 1229-1236. 1933. no.4.

Biol. Bull. (Woods Hole, Mass.)
Waksman, S. A., Carey, C. L. & Reuszer, H. W.
Marine bacteria and their rôle in the cycle of life in the sea. I. Decomposition of marine plant and animal resudues of bacteria. Biol. Bull. 65: 57-79. Ag. 1933. no.1.

Boll. Tecn. R. Ist. Sper. Tabacchi Scafati (69.8B63)
Monastero, S.
Sulla grave malattia del tabacco "Brasile Selvaggio" denominata in Sicilia "zimma". Boll. Tecn. R. Ist. Sper. Tabacchi Scafati 30: 105-109. 6 pl. Ap./Je. 1933. no.2.
Aphlenchus parietinus.

Trotter, A.
Nostre conoscenze sulle virosi del tabacco ed in particolare sul mosaico. Boll. Tecn. R. Ist. Sper. Tabacchi Scafati 30: 81-104. Ap./Je. 1933. no.2.

Bot. Jahrb. Engl. (Leipzig) (450En3B)
Andrejew, W. N.
Die tundren-unterzonen des nordeuropäischen teiles der USSR. Bot. Jahrb. Engl. 66: 119-127. O.20, 1933. no.1.

Bot. Jahrb. Engl. (cont.)

Booberg, G.
Die malayische strandflora. Eine revision der Schimperschen artenliste. Bot. Jahrb. Engl. 66: 1-38. 0.20, 1933. no.1.

Bornmüller, J.
Ueber Euphorbia nuda Velen. und E. soongarica Boiss. (vera!) Bot. Jahrb. Engl. 66: 113-118. 0.20, 1933. no.1.

Gilli, A.
Die ursachen des reliktcharakters von Wulfenia carinthiaca. Bot. Jahrb. Engl. 66: 71-90. 0.20, 1933. no.1.

Kjellberg, G., & Christensen, C.
Pteridophyta von Celebes gesammelt von G. Kjellberg 1929. Bot. Jahrb. Engl. 66: 39-70. 0.20, 1933. no.1.

Möbius, M.
Pflanzen der altkretischen kunst. Bot. Jahrb. Engl. 66: 103-112. illus. 0.20, 1933. no.1.

Schulz, O. E.
Kurze notizen über neue gattungen sektionen und arten der cruciferen. Bot. Jahrb. Engl. 66: 91-102. 0.20, 1933. no.1.

Stankov, S. S.
Grundzüge der anordnung in der pflanzenwelt der Südkrim (von Sewastopol bis Feodosia) Bot. Jahrb. Engl. 66: 128-144. 0.20, 1933. no.1.

Bull. Dept. Agr. Straits Settlem. & Feder. Malay States (22.5F31Bg)
Thompson, A.
Division of mycology. In Reports of the Research, economic and agricultural education branches for the year 1932. Bull. Dept. Agr. Straits Settlem. & Feder. Malay States 14(1933): 53-62. 1933.

Bull. Écon. Indochine. (22.5In2)
Crevost, Ch.
Produits filamenteux des palmiers. Bull. Écon. Indochine 36: 535-538. Jl./Ag. 1933.

Bull. Misc. Inform. Kew. (London) (89K51B)

Holland, J. H.
Coroa coffee. Bull. Misc. Inform. Kew 1933: 413-414. 1933. no.8.
Fasciated form of Coffea arabica.

Jackson, A. K.
Two plants new to the flora of Cyprus. Bull. Misc. Inform. Kew 1933: 407-408. 1933. no.8.
Catapodium loliaceum, Minuartia geniculata.

Sandwith, N. Y.
Contributions to the flora of tropical America. XVII. The genus Strychnos in British Guiana and Trinidad. Bull. Misc. Inform. Kew. 1933: 390-400. 1933. no.8.

Sprague, T. A.
Abies pindrow Royle. Bull. Misc. Inform. Kew 1933: 414-415. 1933. no.8.

Sprague, T. A.
Botanical terms in Isidorus. Bull. Misc. Inform. Kew 1933: 401-407. 1933. no.8.

Sprague, T. A.
The dates of publication of Royle's Illustrations. Bull. Misc. Inform. Kew 1933: 378-390. 1933. no. 8.

Dr. Otto Stapf, F.R.S. Bull. Misc. Inform. Kew 1933: 369-378. 1933. no.8.

Eric Drabble. Bull. Misc. Inform. Kew 1933: 413. 1933. no.8.

Henry George Greenish. Bull. Misc. Inform. Kew 1933: 412-413. 1933. no.8.

William Grant Craib. Bull. Misc. Inform. Kew 1933: 409-412. 1933. no.8.

Bull. (MycolSer.) Dept. Agr. Cyprus (464.90992)

Nattrass, R. M.
The control of fungus diseases. Bull. (Mycol.Ser.) Dept.Agr. Cyprus no.1 12 p. illus. Jl. 1933.

Bull. Soc. Roy. Bot. Belg. (Brussels) (451B41B)
Cornet, A.
Glanures bryologiques. Bull. Soc. Roy. Bot. Belg. 65(II,15): 86-89. 1933. no.2.

Coulouma, J.
Les cistes leur répartition géographique en Languedoc. Bull. Soc. Roy. Bot. Belg. 65(II, 15): 98-106. 1933. no.2.

Langendonck, H. J. van
La sociologie végetale des schorres du Zwyn et de Philippine. Bull. Soc. Roy. Bot. Belg. 65(II, 15): 112-136. illus. (map) 1933. no.2.

Lathouwers, V.
Quelques impressions botaniques recueillies lors d'un récent voyage au Congo Belge. Bull. Soc. Roy. Bot. Belg. 65(II,15): 93-97. 1933. no.2.

Vandendries, R. & Brodie, H. J.
Manifestation de barrages sexuels dans le champignon tétrapolaire Lenzites betulina (L.) Fr. Bull. Soc. Roy. Bot. Belg. 65(II,15): 109-111. pl. 1933. no.2.

Verplancke, G.
Hôtes nouveaux des maladies a virus filtrants de la betterave. Bull Soc. Roy. Bot. Belg. 65(II, 15): 137-147. 1933. no.2.

Wildeman, E. de
A propos de la maladie des ormes. Bull. Soc. Roy. Bot. Belg. 65(II,15): 107-108. 1933. no.2.

Bull. Techn. & Sci. Serv.Min.Agr.Egypt (24Eg93)
Nattrass, R. M.
Preliminary notes on some entomogenous fungi in Egypt. Bull. Techn. & Sci. Serv. Min. Agr. Egypt 120. 9 p. 6 pl. (3 col.) 1932.

Bull. Torr. Club (451T63B)
Arnaudi, C.
On the vaccination of the tobacco plant against Thielaviopsis basicola. Bull. Torr. Club 60: 583-597. illus. N.1933. no.8.

Edwards, T. I.
The germination and growth of Peltandra virginica in the absence of oxygen. Bull. Torr. Club 60: 573-581. illus. No. 1933. no.8.

Bull. Torr. Club (cont.)
Howe, M. A.
Arthur Hollick, February 6, 1857-March 11, 1933. Bull. Torr. Club 60: 537-553. port. N. 1933. no.8.

Johnson, D. S.
The curvature, symmetry and homologies of the sporocarps of Marsilia and Pilularia. Bull. Torr. Club 60: 555-564. pl.26. N.1933. no.8.

Stakman, E. C., Tyler, L. J. & Hafstad, G. E.
The constancy of cultural characters and pathogenicity in variant lines of Ustilago zeae. Bull. Torr. Club 60: 565-572. pl.27-28. N. 1933. no.8.

Canad. Journ. Res. (Ottawa) (330.9C16C)
Brittain, W. H. & Eidt, C. C.
Seed content, seedling production and fruitfulness in apples. Canad. Journ. Res. 9: 307-333. illus., 2 pl. O. 1933. no.4.

Compt. Rend. Acad. Sci. Paris (505P21)
Chargaff, E.
Sur les carotinoides des bactéries. Compt. Rend. Acad. Sci. Paris 197: 946-948. O.23, 1933. no.17.

Hagene, P.
Sur la production de chaleur par le contact de la terre séche avec l'eau. Compt. Rand. Acad. Sci. Paris 197: 935-937. O.23, 1933. no.17.

Quendiac, M.
Sur la localisation des substances tanniques dans le tissu ligneux du châtaignier. Compt. Rend. Acad. Sci. Paris 197: 937-938. O.23, 1933. no.17.

Raymond, J.
Les cinèses de l'asque de Pyronema confluens (Pers.) Tul. Compt. Rend. Acad. Sci. Paris 197: 932-934. illus. O.23, 1933. no.17.

Compt. Rend. Acad. Agr. France (Paris) (14P215Bc)
Heim de Balsac, F.
Acquisitions recentes, touchant la biochimie du cacao. Leur importance pour sa production. Compt. Rend. Acad. Agr. France 19: 862-872. O.18, 1933. no.24.

Compt. Rend. Acad. Agr. France. (cont.)
Maurain, Ch.
Remarques sur l'expression dite: somme de températures accumulées et sur la somme de quantités de chaleur. Compt. Rend. Acad. Agr. France 19: 886-888. O.25, 1933. no.25.

Compt. Rend. Soc. Biol. Paris (442.9P21)
Lenoir, M.
Evolution des chromosomes pendant la prophase hétérotypique chez le Lilium martagon. Compt. Rend. Soc. Biol. Paris 114: 252-254. 1933. no.30.

Skalinska, M.
Analyse génétique de la descendance d'un hybride tétraploide d'Aquilegia. Compt. Rend. Soc. Biol. Paris 114: 335-337. 1933. no.30.

Contr. Lab. Bot. Univ. Montreal (451M763)
Rousseau, J.
Les Astragalus du Québec et leurs alliés immédiats. Contr. Lab. Bot. Univ. Montreal no.24. 66 p. illus. (incl. maps) 1933.
A. gaspensis n.sp.

Country Life (London) (80C83)
Findlay, W. P. K.
Dry rot in buildings. Its symptoms and cure. Country Life 74: 485-486. illus. N.4, 1933. no.1920.

Country Life (Amer.) (Garden City, N.Y.)
Barron, L.
Mr. Dixon's orchids. Country Life (Amer.) 65(1): 46-50. illus. No.1933.

Desert (Pasadena) (450D45)
Herre, H.
The propagation of South-African succulents. Desert (Pasadena) 5: 99, 104. N. 1933. no.7.

Empire Journ. Exp. Agr. (Oxford) (10Em7)
Nutman, F. J.
The root-system of Coffea arabica.1. Root-systems in typical soils of British East Africa. Empire Journ.Exp.Agr. 1: 271-284. pl.16-26. S.1933. no.3.

Smith, J. H.
Some aspects of virus disease in plants. Empire Journ. Exp. Agr. 1: 206-214. S. 1933. no.3.

Ernähr. Pflanze. (Berlin) (57.8Er6)
Alten, F. & Gottwick, R.
Ein beitrag zur der vertretbarkeit des kaliums durch rubidium und caesium für die pflanzenernährung. Ernähr. Pflanze 29: 393-399. illus. N.1, 1933. no.21.

Farming So. Africa (Pretoria) (24So842)
Marais, J. S.
The chief weeds of grain lands. V. Ramenas. Farming So. Africa 8: 389-390. illus. 0.1933. no.91.
Raphanus raphanistrum.

Plank, J. E. van der
Internal brown fleck of potatoes. Farming So. Africa 8: 383-384. illus. 0. 1933. no.91.

Formosan Agr. Rev. (J22.5F76)
Jio, K.
List of varieties of Formosa rice Romanised. (cont.) Formosan Agr. Rev. 1933: 986-993. 0. 1933. no.323.
Japanese.

Fruit World Australasia (Melbourne) (80F948)
Fish, S.
Brown rot in peaches. Goulburn Valley fruit in Sydney. Fruit World Australasia 34: 559-563. illus. 0.1, 1933. no.10.

Gard. Chron. (London) (80G162)
Arnold, R. E.
Napenthes. Gard. Chron. III, 94: 324. 0.28, 1933. no.2444.

Brown, A. G.
The fruiting of Pernettya mucronata. Gard. Chron. III, 94: 325. 0.28, 1933. no.10.

Redgrove, H. S.
Deadly nightshade. Gard. Chron. III, 94; 328. 0.28, 1933. no.2444.

Ward, F. K.
Mr. F. Kingdon Ward's eleventh expedition in Asia. XL. Autumn colours. Gard. Chron. III, 94: 326-327. illus. 0.28, 1933. no.2444.

Yashiroda, K.
Early fruiting of tung oil trees. Gard. Chron III, 94: 330. 0.28, 1933. no.2444.

Genetics (442.8G28)

Goodspeed, T. H. & Avery, P.

Inheritance in Nicotiana tabacum. XIII. The cytogenetics of "deformed", an x-ray derivative. Genetics 18: 487-521. illus. N. 1933. no.6.

Rhoades, M. M.

An experimental and theoretical study of chromatid crossing over. Genetics 18: 535-555. N. 1933. no.6.

Includes experiments with Zea mays.

Hawaiian Plant. Rec. (Honolulu) (25H311)

Das, U. K.

Rate of cane and sugar formation in a cane crop. Hawaiian Plant. Rec. 37: 88-92. 1933. no.2.

Helvetica Chim. Acta (Basel) (385H36)

Karrer, P. and others.

Pflanzenfarbstoffe LII-LIII. Helvetica Chim. Acta 16: 975-977, 977-979. 1933. no.15.

LII. Konstitution des alpha-carotins. LIII. Beitrag zur kenntnis des xanthophylls und violaxanthina.

Hilgardia (Berkeley, Calif.) (100C12H)

Porter, D. R.

Watermelon breeding. Hilgardia 7: 585-624. illus. S. 1933. no.15.

Severin, H. H. P. & Freitag, J. H.

Some properties of the curly-top virus. Hilgardia 8: 1-48. illus. O. 1933. no.1.

Intern. Bull. Plant Prot. (464.8In8)

Stevens, N. E.

United States: The Dutch elm disease discovered in New Jersey. Intern. Bull. Plant Prot. 7: 229-230. O. 1933. no.10.

Su, M. T.

India: New diseases found in Burma. Intern. Bull. Plant Prot. 7: 230. O. 1933. no.10.

Journ. Agr. Res. (Washington, D.C.) (1Ag84J)

Lambert, E. B.

Effect of excess carbon dioxide on growing mushrooms. Journ. Agr. Res. 47: 599-608. illus. O.15, 1933. (N.14) no.8.

Journ. Agr. Res. (cont.)

Voorhees, R. K.

Effect of certain environmental factors on the germination of the sporangia of Physoderma zeae-maydis. Journ. Agr. Res. 47: 609-615. O.15, 1933 (N.14)

Wilcox, R. B. & Beckwith, C. S.

A factor in the varietal resistance of cranberries to the false-blossom disease. Journ. Agr. Res. 47: 583-590. illus. O.15, 1933. (N.14) no.8.

Journ. Agr. Sci. (London) (10J822)

Brown, R.

Nitrogen fixation by the endophyte of Lolium. Journ. Agr. Sci. 23: 527-540. illus. O.1933. no.4.

Journ. Amer. Chem. Soc. (381Am33J)

Jodidi, S. L.

Isolation and identification of the nitrogenous and non-nitrogenous compounds occurring in the Alaska pea. I. The presence of citric acid in the Alaska pea. Journ. Amer. Chem. Soc. 55: 4663-4664. N. 1933. no.11.

Journ. Amer. Soc. Agron. (Geneva, N.Y.) (4Am34P)

Loomis, W. E., Smith, E. V., Bissey, R. & Arnold, L.E.

The absorption and movement of sodium chlorate when used as an herbicide. Journ. Amer. Soc. Agron. 25: 724-739. illus. N.1933. no.11.

Pope, M. N.

A rapid method for making small grain hybrids. Journ. Amer. Soc. Agron. 25: 771-772. N. 1933. no.11.

Rea, H. E.

The effect of tillage on eradication of cotton root rot. Journ. Amer. Soc. Agron. 25: 764-771. N. 1933. no.11.

Sprague, H. B. & Curtis, N.

Chlorophyll content as an idex of the productive capacity of selfed lines of corn and their hybrids. Journ. Amer. Soc. Agron. 25: 709-724. N. 1933. no.11.

Journ. Biochem. Tokyo (385J822)

Malhotra, R. C.

A contribution to the biochemistry of seed germination with particular reference to Zea mays. Journ. Biochem. Tokyo 18: 173-197. illus. S. 1933. no.2.

Molhotra, R. C.

A contribution to the biochemistry of the wheat plant. Journ. Biochem. Tokyo 18: 199-205. S. 1933. no.2.

Journ. Dept. Agr. So. Australia (Adelaide) (23So84)

Samuel, G. & Bald, J. G.

Tomato spotted wilt on tobacco. Journ. Dept. Agr. So. Australia 37: 190-195. illus. S.15, 1933. no.2.

Journ. Dept. Agr. Victoria (Melbourne) (23V66J)

Castella, F. de

Coulure of the grape crop. Abscisson or shelling. Journ. Dept. Agr. Victoria 31: 524-527. illus. O.1933. no.10.

Journ. Hered. (Washington) (442.8Am3)

Baker, M. F.

A "strangling" Eucalyptus. Journ. Hered. 24: 403-404. illus. O. 1933. no.10.

Darrow, G. M., Waldo, G. F. & Schuster, C. E.

Twelve years of strawberry breeding. Journ. Hered. 24: 391-402. illus. O. 1933. no.10.

A summary of the strawberry breeding work of the United States department of Agriculture.

Demerec, M.

What is a gene? Journ. Hered. 24: 369-378. illus. O. 1933. no.10.

Kakizaki, Y. & Kasai, T.

Bud pollination in cabbage and radish. Journ. Hered. 24: 359-360. illus. S.1933. no.9.

Some examples of conspicuous "pseudo-fertility" in normally self-incompatable plants.

Sieglinger, J. B.

A dwarf mutation in kafir. Journ. Hered. 24: 337-338. illus. S. 1933. no.9.

Journ. Hered. (cont.)
Verushkine, S. & Shechurdine, A.
Hybrids between wheat and couch grass. Journ. Hered. 24: 329-335. illus. S. 1933. no.9.
Fertile Triticum-Agropyrum hybrids of great scientific and practical interest.

Journ. N.Y. Bot. Gard. (89N48J)
Dodge, B. O.
The orange-rust of hawthorn and quince invades the trunk of red cedar. Journ. N.Y. Bot. Gard. 34: 233-237. illus. N. 1933. no.407.
Gymnosporangium germinale.

Everett, T. H.
Humea elegans. Journ. N.Y. Bot. Gard. 34: 243-245. illus. N. 1933. no.407.

Merrill, E. D.
Eastern Asia as a source of ornamental plants. Journ. N.Y. Bot. Gard. 34: 238-243. N. 1933. no.407.

Journ. Rubber Res.Inst. Malaya (78.9R824J)
Beeley, F.
Oidium heveae. Report on the 1933 outbreak of Hevea leaf mildew. Journ. Rubber Res. Inst. Malaya 5: 5-13. illus. (map) S. 1933. no.1.

Napper, R. P. N.
Report on the diseases of the rubber tree in Kedah. Journ. Rubber Res. Inst. Malaya 5: 35-47. S. 1933. no.1.

Journ. Washington Acad. Sci. (500W276J)
Berry, E. W.
The cuticle of an Eocene Combretum. Journ. Washington Acad.Sci. 23: 505-508. illus. N.15, 1933. no.11.

Berry, E. W.
A Knowltonella from the Black Hills Cretaceous. Journ. Washington Acad. Sci. 23: 503-505. illus. N.15, 1933. no.11.
K. maxoni.

Just. Liebigs Ann. Chem. (Berlin)
Butenandt, A. & Hilgetag, G.
Untersuchungen über pflanzliche fisch- und insektengifte. VI. Ueber die beziehungen des toxicarols zum rotenon. Just. Liebigs Ann. Chem. 506: 158-171. O.16, 1933. no.2/3.

Komos (Stuttgart) (474K842)

Niklitschek, A.

Eine alte zauberpflanze. Kosmos 30: 367-371. illus. N. 1933. no.11.

Mandragora officinarum.

Landw. Jahrb. Schweiz. (Bern) (17L23)

Neuweiler, E.

Pflanzenschutz. In Bericht über die tätigkeit der Eidg. landwirtschaftlichen versuchsanstalt Oerlikon für das jahr. 1931. Landw. Jahrb. Schweiz 47: 867-871. 1933. no.7.

Staehelin, M. & Porchet, B.

Contribution à l'étude de la désinfection partielle du sol en culture maraichère et horticole. Landw. Jahrb. Schweiz 47: 761-796. 1933. no.7.

Leafl. West. Bot. (San Francisco) (450L47)

Eastwood, A.

Escallonias in Golden Gate Park. Leafl. West. Bot. 1: 65-69. N.4, 1933. no.8.

Eastwood, A.

New species of California Arctostaphylos. Leafl. West. Bot. 1: 73-80. N.4, 1933. no.8.

Howell, J. T.

Martynia louisianica Miller - A correction. Leafl. West. Bot. 1: 80. N.4, 1933.

On p. 40, M. jussieui should be M. louisianica. (in his Plants worthy of note)

Howell, J. T.

Similism and Ceanothus fresnensis. Leafl. West. Bot. 1: 71-72. N.4, 1933. no.8.

Matières Grass. (Paris) (307.8M42)

Adriaens, L.

Étude chimique de la graine d'Allanblackia klainei Pierre. (concl.) Matières Grass. 25: 9961-9962. O.15, 1933. no.306.

Meded. Inst. Suikerbiet.Bergen op Zoom (66.9B45)

Ginneken, P.J.H. van & Haan, K. de

Waarnemingen omtrent de groei van suikerbieten. IV. Verband tusschen gehalte en wortelgewicht-bladgewicht. (Observations sur la croissance des betteraves IV. Rapport entre teneur en sucre et poids de la racine-poids des feuilles). Meded. Inst. Suikerbiet. Bergen op Zoom 3: 131-188. 1933. no.5.

Metr. Zem. Ukio Akad.Dotnava (106D74)

Brundza, K.

Kai kurie parazitiniai grybeliai, surinkti Lietuvoje 1927-1933 m. Metr. Zem. Ukio Akad. Dotnava 1932: 199-208. 1933.

Parasitic fungi found in Lithuania.

Möller's Deut. Gärtn. -Zeit. (Erfurt) (80M73)

Burchard, O.

Kanarische ginster. II. Möller's Deut. Gärtn.-Zeit. 48: 349-350. illus. O.21, 1933. no.30.

Unfruchtbare erdbeeren. Kein ausmerzen der schwachen männlichen pflanzen! Möller's Deut. Gärtn.-Zeit. 48: 354. O.21, 1933. no.30.

Nachr. Schädlingsbekämpfung (Leverkusen, b. Köln a Rh.) (464.8N112)

Crüger, [O.]

Welche saaten sollen wir beizen? Nachr. Schädlingsbekämpfung 8: 100-102. S. 1933. no.3.

Fischer, J.

Hedit gegen pestwurz. Nachr. Schädlingsbekämpfung 8: 124-127. illus. S. 1933. no.3.

Klitsch,

Einige beobachtungen gelegentlich der feldbesichtigungen im sommer 1933. Nachr. Schädlingsbekämpfung 8: 103-106. S. 1933. no.3.

Kubitza, W.

Versuche zur unkrautbekämpfung. Nachr. Schädlingsbekämpfung 8: 130-133. illus. S.1933. no.3.

Meyer-Hermann, K.

Wie sichern wir unsere getreideerzeugung? Nachr. Schädlingsbekämpfung 8: 97-100. S.1933. no.3.

Obertreis,

Die bekämpfung der steifenkrankheit der braugerste. Nachr. Schädlingsbekämpfung 8: 121-124. illus. S. 1933. no.3.

Preising,

Sechs jahre genossenschaftliche saatreinigung und -beizung im kreise Aschendorf. Nachr. Schädlingsbekämpfung 8: 114-117. S. 1933. no.3.

Nachr. Schädlingsbekämpfung (cont.)

Schlotfeldt,
Saatgutreinigung und saatgutbeize. Nachr. Schädlingsbekämpfung 8: 109-114. S.1933. no.3.

Schmidt,
Pestwurzbekämpfung. Nachr. Schädlingsbekämpfung 8: 127-130. illus. S.1933. no.3.
Petasites officinalis.

Nature (London) (472N21)

Doctors van Leeuwen, W.
Germinating coconuts on a new volcanic island, Krakatoa. Nature 132: 674-675. illus. 0.28, 1933. no.3339.

North West. Nat. (Arbroath, Scotland) (410N31)

Clegg, T.
The distribution of Althaea officinalis L. North West. Nat. 8: 247. S.1933. no.3.

Dallman, A. A.
Quantitative attributes of seeds and fruits. North West. Nat. 8: 202-211. S. 1933. no.3.

Murray, J.
Cumberland mosses. (cont.) North West. Nat. 8: 53-54, 141-142, 249-250. Mr., Je., S. 1933. no.1-3.

Pamph. Austral. Tobacco Invest. (69.9Au72P)

Hill, A. V.
Frogeye disease of tobacco. Pamph. Austral. Tobacco Invest. 2. 20 p. illus. S. 1933.

Phytopath. (464.8P56)

Armstrong, G. M. & Albert, W. B.
Downy mildew of tobacco on pepper, tomato, and eggplant. Phytopath. 23: 837-839. 0.1933. no.10.
Peronospora hysocyami.

Arthur, J. C.
Correction in authority for Cronartium ribicola. Phytopath. 23: 841. O. 1933. no.10.
C. ribicola Fischer correct citation.

Busch, H. J. & Wolf, F. A.
Manufactured tobacco, a source of inoculum for mosaic in flue-cured tobacco. Phytopath. 23: 839-841. O. 1933. no.10.

Phytopath. (cont.)

Creager, D. B.
Leaf scorch of narcissus. Phytopath. 23: 770-786. illus. O. 1933. no.10.
Stagonospora curtisii.

Fawcett, H.S. & Jenkins, A. E.
Records of citrus canker from herbarium specimens of the genus Citrus in England and the United States. Phytopath. 23: 820-824. illus. O. 1933. no.10.

Miles, L. E.
Control of gladiolus scab. Phytopath. 23: 802-813. illus. O. 1933. no.10.

Price, W. C.
The thermal death rate of tobacco-mosaic virus. Phytopath. 23: 749-769. O. 1933. no.10.

Thornberry, H. H. & Anderson, H. W.
Overwintering of Phytomonas pruni on peach. Phytopath. 23: 787-801. illus. O. 1933. no.10.

West, E.
Powdery mildew of crape myrtle caused by Erysiphe lagerstroemiae, n.sp. Phytopath. 23: 814-819. illus. O. 1933. no.10.

Wolf, F.A. & Moss, E. G.
Effect of mosaic of flue-cured tobacco on yield and quality. Phytopath. 23: 834-836. O. 1933. no.10.

Wolf, F. A.
Roguing as a means of control of tobacco mosaic. Phytopath. 23: 831-833. O. 1933. no.10.

Young, V. H. & McClelland, C. K.
Control of oat smut. Phytopath. 23: 825-830. O. 1933. no.10.

Planta Arch. Wiss. Bot. (Berlin) (450P693)

Arens, K.
Physiologisch polarisierter massenaustausch und photosynthese bei submersen wasserpflanzen. I. Planta Arch. Wiss. Bot. 20: 631-658. illus. O.14, 1933. no.4.

Planta Arch. Wiss. Bot. (cont.)

Boysen-Jensen, P.

Die bedeutung des wuchsstoffes für das wachstum und die geotropische krümmung der wurzeln von Vicia faba. Planta Arch. Wiss. Bot. 20: 683-698. illus. 0.14, 1933. no.4.

Brewig, A.

Ein beitrag zur analyse des transpirationswiderstandes. Planta Arch. Wiss. Bot. 20: 734-791. illus. 0.14, 1933. no.4.

Freiburg, M.

Entwicklungsphysiologische untersuchungen über den einfluss einiger narkotika auf die heterostyle leinart Linum austriacum L. Planta Arch. Wiss. Bot. 20: 659-687. illus., pl. iii. 0.14, 1933. no.4.

Harder, R.

Ueber die assimilation der kohlensäure bei konstanten aussenbedingungen. II. Das verhalten von sonnen- und schattenpflanzen. Planta Arch. Wiss. Bot. 20: 699-733. 0.14, 1933. no.4.

Reinhard, A. W.

Zur frage der samenkeimung bei Solanum lycopersicum. Planta Arch. Wiss. Bot. 20: 792-794. 0.14, 1933. no.4.

Proc. Soc. Exp. Biol. & Med. (N.Y.) (442.9Sol)

Duggar, B. M.

Standardization and relative purification, technique with plant virus preparations. Proc. Soc. Exp. Biol. & Med. 30: 1104-1109. My. 1933. no.8.

Proc. Univ. Durham Phil. Soc. (501D93)

Blackburn, K. B.

Notes on the chromosomes of the duckweeds (Lemnaceae) introducing the question of chromosome size. Proc. Univ. Durham Phil. Soc. 9: 84-90. pl. Je. 1933. no.2.

Hickling, H. G. A. & Marshall, C. E.

The preservation of plant tissues in coal. Proc. Univ. Durham Phil. Soc. 9: 105-116. illus. Je. 1933. no.2.

Quart. Rev. Biol. (Baltimore) (442.8Q2)

Sponsler, O. L.

The molecule in biological structures as determined by x-ray methods. Quart Rev. Biol. 8: 1-30. illus. Mr. 1933. no.1.

Queensl. Nat. (Brisbane) (410Q3)
White, C. T.
The eucalypts or gum trees of the Brisbane district (cont.) Queensl. Nat. 8: 80-81. pl. S.1933. no.6.
E. paniculata.

Rassegna Econ. Colon. Italy (Roma) (261C71)
Baldrati, I.
Il ricino e la sua coltivazione ed utilizzazione nelle colonie italiane. I. Rassegna Econ. Colon. Italy 21: 478-517, 697-749. illus. My./Je., Jl./Ag. 1933. no.5/6, 7/8.

Vivoli, G.
Datteri del Fezzàn. I. Rassegna Econ. Colon. Italy 21: 750-804. illus. Jl./Ag. 1933. no.7/8.

Rec. Bot. Surv. India (Delhi) (460.12In2B)
Blatter, E.
Flora arabica. The botanical exploration of Arabia. Rec. Bot. Surv. India 8: 451-501. 1933. no.5.

Register Agr. Res. Progr. Counc. Sci. & Ind. Res. Australia
Australia. Council for scientific and industrial Research. (f°23Au73)
Plant diseases. In its Register Agr. Res. Progr. 1933: 101-137.
also see Weeds: p.166-169.

Res. Bull. Agr. Exp. Stat. So. Manchuria Railw. Co. (J107So8R)
Sakae, M.
On the influence, on the germinative power of the seed of wheat and barley, of soaking in cool and hot water. Res. Bull. Agr. Exp. Stat. So. Manchuria Railw. Co. 12: 1-54. Jl. 1933.
Japanese.

Takasugi, H. & Akaishi, Y.
Studies of the downy mildew (Sclerospora graminicola (Sacc.) var. setariae-italicae Traverso) on Italian millet in Manchuria. I. About the germination of oospores. Res. Bull. Agr. Exp. Stat. So. Manchuria Railw. Co. 11: 1-20. 8 pl. Je. 1933.
Japanese with English resume: p.20.

Res. Bull. Agr. Exp. Stat. So. Manchuria Railw. Co. (cont.)
Takasugi, H. & Akaishi, Y.
Studies on the smuts of sorghums. I. Germination of spores of the loose kernel smut (Sphacelotheca cruenta (Kuhn) Potter) of sorghum. Res. Bull. Agr. Exp. Stat. So. Manchuria Railw. Co. 11: 21-60. 4 pl. Je. 1933.
Japanese with English summary.

Res. Bull. West Scotl. Agr. Coll. (103W52R)
West of Scotland agricultural college. Department of plant husbandry.
The Helminthosporium disease of oats. Res. Bull. West. Scotl. Agr. Col. 3. 74 p. xxiii pl. F. 1933.

Rev. Agr. Com. y Trab. Cuba (Habana) (8Ag88Re)
Gonzalez, A. de J.
Las raices de la caña de azucar y su importancia agricola. Rev. Agr. Com. y Trab. Cuba 14(14): 69-80. Ag. 1933.

Molinet, G. E.
Tizon tardio en el cultivo de la papa. Rev. Agr. Com. y Trab. Cuba 14(14): 65-68. illus. Ag. 1933.
Tizon tardio (Phytophthora infestans)

Rev. Gen. Bot. (Paris) (450R326)
Emberger, L.
Nouvelle contribution à l'étude de la classification des groupements végétaux. Rev. Gén. Bot. 45: 473-486. O. 1933. no.538.

Famin, A.
Action de la température sur les végétaux. (cont.) Rev. Gén. Bot. 45: 487-507. O. 1933. no.538.

Guilliermond, A.
Recherches cytologiques sur les pigments anthocyaniques et les composés oxyflavoniques. (cont.) Rev. Gén. Bot. 45: 508-536. O. 1933. no.538.

Rev. Hort. (Paris) (80R32)
Francois, E.
La flore de Madagascar.Les fougères. Rev. Hort. 105: 500-503. illus. S.16, 1933. no.21.

Jahandiez, E.
Les plantes grasses autres que les cactées. Les agaves. (concl.) Rev. Hort. 105: 498-499. illus. S.16, 1933. no.21.

Rev. Hort. (cont.)

Jahandiez, E.

Les plantes grasses autres que les cactées. The aloès et genres voisins. Rev. Hort. 105: 509-512. illus. 0.16, 1933. no.22.

Jarry-Desloges, R.

Sechium edule (chayote). Rev. Hort. 105: 517-518. 0.16, 1933. no.22.

Rev. Zool. et Bot. Afr. (410R326)

Duchesne, F.

Contribution à l'étude des Pentaclethra du Congo Belge. Rev. Zool. et Bot. Afr. 23: 281-290. illus. 0.15, 1933. no.3/4.

Staner, P.

Les aspects botaniques des environs du Jardin d'Eala. Rev. Zool. et Bot. Afr. 23: Suppl. (Bull. Cercle Bot. Congl. v.1): 99-105. 0.15, 1933. no.3/4.

Staner, P. & Lebrun, J.

Révision des espèces congolaises du genre Myrica L. Rev. Zool. et Bot. Afr. 23: 302-307. 0.15, 1933. no.3/4.

Science (407Sci2)

Dillman, A. C.

Chromosome numbers in flax (Linum). Science 78: 409. N.3, 1933. no.2027.

Sci. Bull. Dept. Agr. So. Africa (24So84S)

Plank, J. E. van der

Sooty blotch on citrus fruits. Sci. Bull. Dept. Agr. So. Africa 121. 12 p. illus. 1933. Gloeodes pomigena.

Science News Letter (470Sci24)

Yarovization process turns biennial plants into annuals. Science News Letter 24: 309-310. illus. N.11, 1933. no.657.

Starting germination, then chilling seeds, speeds flowering and fruiting; widely used in Russia.

Scient. Agr. (Ottawa) (7Sci2)

Nowosad, F. S.

The effect of some commercial fertilizers on the botanical composition and yield of permanent pastures. Scient. Agr. 14: 57-69. pl. 0.1933. no.2.

Scient. Agr. (cont.)
Tucker, J. & Harber, E.W.
Seed treatment for potato blackleg. Scient. Agr. 14: 70-72. O. 1933. no.2.

South African Gard. (Johannesburg) (80So87)
Luckhoff, C.
Hoodiopsis triebneri. So. African Gard. 23: 231. illus. (col., on cover). O. 1933. no.10.
Hoodiopsis triebneri n.gen., n.sp.

Sweet Pea Ann. (84N214A)
Burt, G. H., Gower, A. W. & Janes, E. R.
Pests and diseases of sweet peas. Sweet Pea Ann. 1933: 25-32.

La Terre Maroc. (Rabat) (24T44)
Miege, E.
Les plantes fourragères du Maroc. (cont.) La Terre Maroc. 3(42): 11-30. illus. O.15, 1933.

Torreya (450T63)
Torrey, R. H.
Cladoniae in the range of the Torrey Botanical Club. Torreya 33: 109-129. 4 pl. S./O.1933. no.5.

Trop. Agr. (26T751)
Park, M.
Witch-broom disease of cacao. Trop. Agr. 81: 170-173. S. 1933. no.3.

Trop. Agriculture West Indies (Trinidad) (26T754)
Baker, R. E. D.
Papaw root and collar-rot. Trop. Agriculture West Indies 10: 328-329. N.1933. no.11.
Pythium, Fusarium.

Hayes, T. R.
The classification of groundnut varieties. With a preliminary note on the inheritance of some characters. Trop. Agriculture West Indies 10: 318-327. illus. N. 1933. no.11.

Smith, E.H.G., Voelcker, O.J. & West, J.
Plant breeding in southern Nigeria. Trop. Agriculture West Indies 10: 312-317. illus. (map) N. 1933. no.11.

U.S. Dept. Agr. Plant Dis. Rep. (1.9P69P)
Chupp, C., & Horsfall, J. G.
Brown rot of cauliflower. U.S. Dept. Agr. Plant Dis. Rep. 17: 157-159. N.1, 1933. no.13.
Probably not due to any pathogenic organism.

U.S. Dept. Agr. Techn. Bull. (1Ag84Te)
Sievers, A.F., & Lowman, M.S.
Commercial possibilities of Japanese mint in the United States as a source of natural menthol U.S. Dept. Agr. Techn. Bull. 378. 34 p. illus. Ag. 1933(Rec'd N.)
Mentha arvensis piperascens.

Univ. Calif. Publ. Bot. (Berkeley) (500C125B)
Setchell, W. A.
Some early algal confusions. II. Univ. Calif. Publ. Bot. 17: 187-212. pl.26-45. 1933. no.6.

Vict. Nat. (Melbourne) (410V66)
Kenyon, A. S.
Notes on Myoporum. Vict. Nat. 50: 148. O. 1933. no.6.
M. platycarpum.

Lucas, A. H. S.
An Australian sea rover. Vict. Nat. 50: 133-134. pl.x. O. 1933. no.6.
Asparagopsis armata.

Morris, F. P.
Some Victorian Geraniceae (sic.). Vict. Nat. 50: 127-132. illus. O.1933. no.6.

Yale Journ. Biol. & Med. (448.8Yal)
Sherman, C. C.
Theories on the nutrition of plants from Aristotle to Liebig. Yale Journ. Biol. & Med. 6: 43-60. O.1933. no.1.

Zeitschr. Bot. (Jena) (450Z32)
Oehlkers, F.
Neuere karyologische probleme und ergebnisse. I. Arbeiten zum problem des segmentaustauches. Zeitschr. Bot. 26: 328-371. illus. O.1933. no.7.
Sammelreferat.

Pfleiderer, H.
Kritische untersuchungen zur methodik der transpirationsbestimmung an abgeschnittenen sprossen. Zeitschr. Bot. 26: 305-327. O.1933. no.7.

Zeitschr. Indukt. Abstamm. u. Vererbungsl. (Liepzig) (442.8Z34)

Hiorth, G.

Genetische versuche mit Collinsia. IV. Die analyse eines nahezu sterilen artbastardes. Zeitschr. Indukt. Abstamm. u. Vererbungsl. 66: 106-157. 1933. no.1.

Oehler, E.

Untersuchungen uber ansatzverhältnisse, morphologie und fertilität bei Aegilops-weizenbastarden. II. Die F_2' - und F_2' -generation. Zeitschr. Indukt. Abstamm. u. Vererbungsl. 66: 49-92. illus. 1933. no.1.

Stein, E.

Ueber zwei spontan-mutationen von Antirrhinum majus: mut. infantilis und mut. ramosa. Zeitschr. Indukt. Abstamm. u. Vererbungsl. 66: 93-105. illus. 1933. no.1.

Zentralbl. Bakt.Abt.II. (Jena) (448.3C33)

Böning, K. & Böning-Seubert, E.

Ueber die beziehungen zwischen infektionstypus, aufbau und stoffwechselverlauf bei verschiedener mineralsalzernährung der pflanze. Zentralbl. Bakt. Abt.II, 89: 85-106. O.20, 1933. no.5/7.

Wilhelm, A. F.

Beiträge zur frage der antikörperbildung im pflanzlichen organismus. I. Zentralbl. Bakt.Abt. II, 89: 107-143. O.20, 1933. no.5/7.

Experiments with various solanaceous plants.

Exp. Stat. Publ.

Murneek, A. E.

The nature of shedding of immature apples. Missouri Agr. Exp. Stat. Res. Bull. 201. 34 p. illus. Ag.1933. (100M693)

Latimer, L. P.

Pollination and fruit setting in the apple. New Hampshire Agr. Exp. Stat. Bull. 274. 38 p. illus. Je.1933 (100N45)

New Jersey agricultural experiment station - Dept. of plant pathology.

Three important leaf diseases of trees in 1933. Its Nursery Dis. Notes 6: 9-12. S.1933. (464.9N46)

Elm leaf spot (Gnomonia ulmea), leaf blotch of horse chestnut (Guignardia aesculi), leaf spot of Crataegus (Entomosporium theumenii)

Expt. Stat. Publ. (cont.)

Van Eseltine, G. P.

Notes on the species of apples. II. The Japanese flowering crabapples of the Sieboldii group and their hybrids. New York Agr. Exp. Stat. Techn. Bull. 214. 21 p. illus. Ag. 1933. (100N48)

Sherbakoff, C. D.

Plant pathology. Ann. Rep. Tenn. Agr. Exp. Stat. 45(1932): 35-39. [1933] (100T25S)

Jones, C. H. & Bradlee, J. L.

The carbohydrate contents of the maple trees. Vermont Agr. Exp. Stat. Bull. 358. 147 p. Je. 1933. (100V59)

State Publications

Tavernetti, A. A.

Production of the globe artichoke in California. California Agr. Ext. Serv. Circ. 76. 24 p. illus. Jl. 1933. (275.29C12C)

New Books.

Bresadola, G.

Funghi mangerecci e velenosi 3. ed., reveduta e aumentata... Trento, 1933. (462B75)

Buisman, C.

Verslag van de Phytopathologische onderzoekingen over de iepenziekte, verricht in het laboratorium "Willie Commelin Scholten" gedurende 1932. Wageningen, H. Veenmen & Zonen, 1933. (464.07B86)

Reprinted from Tijdschr. Plantenz. (Her Verslag van de onderzoekingen over de iepenziekte, & Proeven over waterverdampung... in v.39; Over het voorkoomen van Ceratostomella ulmi... in v.38)

Overdruk uit Meded. no.13 Iepenziekten.Com.

Transl. in B.P.I. (Report on 1932 investigations of elm disease)

Egypt. Ministry of agriculture.

Report on the work of the Plant protection section during the period 1925-31. 1933. (432.92Eg9R)

Hedges, E. S.

Liesegang rings and other periodic structures. London, Chapman & Hall, 1933 (386H35L)

New Books (cont.)

Pashkevich, V. V.
Standartizatsii sortov plodovykh derev'ev i iagodnykh kul'tur [Standardization of varieties of fruit trees and cultivated berries]. Leningrad, Isdatel'stvo instituta rastenievodstva, 1931. (93.28P26)
Russian.

Robbins, W. W. & Pearson, H. M.
Sex in the plant world. N.Y., Appleton, 1933. (463.38R53)

Travaux cryptogamiques dédies à Louis Mangin
Paris, Laboratoire de cryptogamie, Muséum nationale s'histoire naturelle, S.1931. (461P21)

Translations filed in Library of Bur. of Plant Industry.

Campanile, S.
Composizaione chimica delle spore di parassiti vegetali di cerealis (Chemical composition of the spores of cereal plant parasites). Publ. R. Staz. Chem.-Agr. Sper. Roma no.286. 11 p. 1932.

Nishikado, Y.
Preliminary notes on a new Helminthosporium of wheat... Ann. Phytopath. Soc. Japan 2: 89-98. O. 1928.

Schumacher, W.
Untersuchungen über die wanderung des fluoreszeins in den siebröhren (Investigations on the movement of fluorescin in the sieve tubes). Jahrb. Wiss. Bot. 77: 685-732. 1933.

Filed out of place.

Blätt. Pflenzenb. u. Pflanzenzücht. (450B61)

Koudelka, H.
Neue probleme in der brandpilzfrage. Blätt. Pflanzenb. u. Pflanzenzücht. II,11: 27-31. illus. S. 1933. no.2.

Non-current indexing.

Bull. Inst. Roy. Colon. Belge (Bruxelles) (504B836)

Adriaens, L.
Contribution à l'étude chimique des plantes à huile chaulmoogrique du Congo Belge. I-II. Bull. Inst. Roy. Colon. Belge 3: 374-395, 406-408. 5 pl. 1932. no.2.
I. Caloncoba welwitschii. II. Hydnocarpus wightiana.

Non-current indexing. (cont.)

Bull. Inst. Roy. Colon. Belge. (cont.)

Ghesquière, J.
Sur la mycosphaerellose des feuilles du manioc. Bull. Inst. Roy. Colon. Belge 3: 160-178. 1932. no.1.
Mycosphaerella manihotis, perfect stage of Cercospora cassavae.

Staner, P.
Les Encephalartos du Congo Belge. Bull. Inst. Roy. Colon. Belge 3: 216-220. pl. 1932. no.1.
E. septentrionalis.

Bull. R. Soc. Tosc. Ortic. (Firenze) (86R22)

Fallai, U.
La semina delle orchidee col metodo simbiotico. Bull. R. Soc. Tosc. Ortic. 57: 14-23. illus., pl. ii-iii. J./F. 1932. no.1/2.

Maccioni, M.
Alberi nani e alberetti in vaso. Bull. R. Soc. Tosc. Ortic. 57: 93-97. illus. Jl./Ag. 1932. no.7/8.

Peyronel, B.
La maculatura o butteratura amara della mele. Bull. R. Soc. Tosc. Ortic. 57: 151-159. pl.vi. N./D. 1932. no.11/12.

Racah, V.
Di alcuni buoni ortaggi a torto poco coltivati o negletti. Bull. R. Soc. Tosc. Ortic. 57: 98-102. Jl./Ag. 1932. no.7/8.
Tragopogon porrifolius, Valerianella olitoria, Salsola kali, Hibiscus esculentus, Scandix cerefolium.

Ragionieri, A.
Della sementa ed ibridazione delle felci. Bull. R. Soc. Tosc. Ortic. 57:113-119. illus. S./O. 1932. no.9/10.

Ragionieri, A.
Le freesie a fiore bianco e la freesia gigante bianca di Elder. Bull. R. Tosc. Ortic. 57: 11-14. pl. i. Ja./F. 1932. no.1/2.

Ragionieri, A.
Una nuova razza di ranuncoli, i ranuncoli di Castello. Bull. R. Soc. Tosc. Ortic. 57: 76-77. pl.v. (col.). My./Je. 1932. no.5/6.

Non-current indexing. (cont.)

Bull. R. Soc. Tosc. Ortic. (cont.)

Recenti, A.

Acalypha hispida (A. sanderi). Bull. R. Soc. Tosc. Ortic. 57: 45-47. pl.iv. Mr./Ap. 1932. no.3/4.

Rinaldi, Z.

Le prunee ornamentali. (concl.). Bull. R. Soc. Tosc. Ortic. 56: 45-48, 63-67, illus. Jl./S. O./D. 1931; 57: 105-108. illus. Jl./Ag.1932. no.7/9, 10/12, 7/8.

Compt. Rend. Assoc. Franc. Avanc. Sci. (505As7)

Blaringhem, L.

Sur les individus intersexués des ancolies. Compt. Rend. Assoc. Franc. Avanc. Sci. 56(1932): 241-245. illus. 1932.

Chevalier, A.

Sur les plantes qui croissent a travers le Sahara et le Soudan depuis les déserts et steppes de l'Asie jusqu'au littoral de la Mauritanie et du Sénégal. Compt. Rend. Assoc. Franc. Avanc. Sci. 56(1932): 469-474. 1932.

Dufrenoy, J.

Les conditions météorologiques qui permettent l'infection des pommes de terre par le Phytophthora infestans. Compt. Rend. Assoc. Franc. Avanc. Sci. 56(1932): 250-251. 1932.

George, L.

1. L'hybridation dans le genre Sorbus. 2. Note sur le genre Pirus. Compt. Rend. Assoc. Franc. Avanc. Sci. 56(1932): 251-255. 1932.

Gravis, A.

Contribution a l'anatomie des cactées. Compt. Rend. Assoc. Franc. Avanc. Sci. 56(1932): 256-259. 1932.

Note preliminaire.

Guyot, R.

De l'influence des solutions iodées dans les cultures d'Armillaria mellea. Compt. Rend. Assoc. Franc. Avanc. Sci. 56(1932): 259-261. 1932.

Non-current indexing. (cont.)

Compt. Rend. Assoc. Franc. Avanc. Sci. (cont.)
Martens, P.
Les fausses anses d'anastomose et l'hétéro-homothallisme. Compt. Rend. Assoc. Franc. Avanc. Sci. 56(1932): 261-264. 1932.

Robyns, W.
L'étude détaillée des formes florales et son importance pour la systématique (solanacées, labiatacées). Compt. Rend. Assoc. Franc. Avanc. Sci. 56(1932): 264-270. 1932.

Staner, P.
Quelques aspects de la végétation des environs d'Eala (Equateur-Congo Belge). Compt. Rend. Assoc. Franc. Avanc. Sci. 56(1932): 482-487. 1932.

Vandendries, R.
Etude d'analyse, par la photographie, des tendances sexuelles de Pleurotus columbinus. Compt. Rend. Assoc. Franc. Avanc. Sci. 56(1932): 271-272. 1932.

Wattiez, N.
Contribution a l'étude biochemique de Salix repens L. (salicacees) le saliréposide est un ether benzoique d'un hétéroside nouveau. Compt. Rend. Assoc. Franc. Avanc. Sci. 56(1932): 446-454. 1932.

Mem. Coll. 4°, Sect. Sci. Nat. et Med. Inst. Roy. Colon. Belge
Robyns, W.
Les espèces congolaises du genre Digitaria Hall. Mém. Coll. 4°, Sect. Sci. Nat. et Med. Inst. Roy. Colon. Belge v.1, no.1. 52 p. vi pl. 1931.
D. homblei, D. phaeotricha, D. scaettae, D. katangensis, K. masambaensis n.spp.

Mitt. Ver. Förd. Moorkult.Deut. Reiche(18V583)
Oettingen, H.von
Das auftreten der knaulgrasbakteriose in Deutschland. Mitt. Ver. Förd. Moorkult.Deut. Reiche 50: 107-108. S.1, 1932. no.9/10.

Proc. Conn. Veg. Grow. Assoc. (75.9C76)
Rieman, G. H.
The selection and development of new disease resistant varieties. Proc. Conn. Veg. Grow. Assoc.19 (1932):64-69. pl. Ap.1932.

BOTANY
CURRENT LITERATURE

LIBRARY
RECEIVED
★ DEC 14 [illegible] ★

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY.
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D.

Vol. 15, no. 24. Nov.20-Dec.2, 1933.

Agr. et Elev. Congo Belge. (26Ag84)
Barduzzi, T. B.
Une nouvelle methode pour la determination rapide des individus attaques par le wilt du cotonnier: la "methode de la feuille" ou "cotton wilt leaf index". Agr. et Elev. Congo Belge 7: 163-164. N. 1933. no.12.

Agr. & Live-stock, India (Calcutta) (22Ag83A)
Sayer, M. W.
Soybean (Glycine hispida Maxim.) Agr. & Live-stock, India 3: 470-474. S. 1933. no.5.

Algem. Landb. Weekbl. Nederl. Indie (Bandoeng) (22.5A13)
Boedijn, K. B.
Een gallenvormende schimmel. (Exobasidium cinnamomi Petch). Algem. Landb. Weekbl. Nederl. Indie 18: 50-52. illus. Jl.15, 1933. no.3.
On Cinnamomum burmanni.

Amer. Home (Garden City) (80Am313)
Hollies of the world. Amer. Home 11(1): 10-11. illus. D. 1933.

Amer. Potato Journ. (75.8P842)
Folsom, D.
Potato virus diseases in 1932. Amer. Potato Journ. 10:224-233. N. 1933. no.11.

Ann. Bot. Soc. Zool.-Bot. Fenn. Vanamo (451Su7)
Aario, L.
Vegetation und postglaziale geschichte des Nurmijärvi-Sees. Ann. Bot. Soc. Zool.-Bot. Fenn. Vanamo v.3, no.2. 132 p. illus., fold. map. 1933.

Kalliola, R.
Alpiinisesta kasvillisuudesta kammikivialueella Petsamon Lapissa. Kasvillisuusmonografia (Ueber die alpine vegetation im kammikivi-gebiet von Petsamo-Lappland. Eine kleine vegetationsmonographie) Ann. Bot. Soc. Zool.-Bot. Fenn. Vanamo v.2, no.2. 121 p. illus. 1932.
German summary: p.113-121.

Ann. Bot. Soc. Zool.-Bot. Fenn. Vanamo (cont.)

Kontuniemi, T.

Metsäkasvien siemenellisestä lisääntymisestä Petsamon subalpiinisessa vyohykkeessä. (Ueber die fruktifikative vermehrung der waldpflanzen in der subalpinen zone von Petsamo). Ann. Bot. Soc. Zool.-Bot. Fenn. Vanamo v.2, no.4. illus. 1932.

German summary: p.53-58.

Pentsar, L.

Ayräpäänjärven vesikasvilajien ekologiaa. (Autökologische untersuchungen über die wasserpflanzen des Ayräpäänjärvi-Sees). Ann. Bot. Soc. Zool.-Bot. Fenn. Vanamo v.3, no.4. 131 p. illus. 1933.

German summary: p.128-131.

Parvela, A. A.

Oulun läänin viljelyskasvit niiden historia ja nykyinen levinneisyys. (Ueber die kulturpflanzen im Län Oulu (Uleåbog), ihre geschichte und verbreitung). II. Ann. Bot. Soc. Zool.-Bot. Fenn. Vanamo v.2, no.5. 144 p. 1932.

Pohjala, L.

Ayräpäänjärven vesikasvillisuudesta. (Ueber die wasservegetation des Ayräpäänjärvi-Sees). Ann. Bot. Soc. Zool.-Bot. Fenn. Vanamo v.3, no.3. 114p. illus. 1933.

German summary: p.107-114.

Räsänen, V.

Zur kenntnis der flechtenflora Feuerlands sowie der prov. de Magallanes, prov. de Chiloë und prov. de Ñuble in Chile. Ann. Bot. Soc. Zool.-Bot. Fenn. Vanamo v.2, no.1. 65 p. ii pl., map. 1932.

Auf grund des von H. Roivainen gesammelten materiales dargestellt...

Rainio, A. J.

Pseudomonas tumefaciens Sm. & Towns. auf Salix caprea. Ann. Bot. Soc. Zool.-Bot. Fenn. Vanamo v.2, no.3. 18 p. illus. 1932.

Vaheri, E.

Jyväsjärven kasvillisuus. (Die vegetation des Jyväsjärvi-Sees). Ann. Bot. Soc. Zool.-Bot. Fenn. Vanamo v.3, no.1. 51 p. illus. 1932.

German summary: p.48-51.

Ann. Épiph. (Paris) (464.9F84)

Bordas, J., Joëssel, P.H. & Anrès, E.
Enquete sur les dépérissements de la lavande. Ann. Épiph. 18: 368-383. Mr.25, 1933. no.6.
Étude pathologique des plants de lavande: p.379-382.

Mattras, H.
Observations sur les rouilles du ble faites à Versailles, en 1931 et 1932. Ann. Épiph. 18: 384-397. Mr.25, 1933. no.6.

Ann. Univ. Stellenbosch. (Capetown) (515St3)

Byl, A. van der
Kormosse van die Unie van Suid-Afrika. III. Familie Cladoniaceae. Ann. Univ. Stellenbosch. v.11,A, no.4. 13 p. illus. S. 1933.

Ber. Deut. Bot. Ges. (Berlin) (451D48)

Ross, H.
Ueber nicht parasitäre hexenbesen an Robinia pseudacacia L. Ber. Deut. Bot. Ges. 51: 292-300. illus. O.26, 1933. no.7.

Werth, E.
Verbreitung, urheimat und kultur der kokospalme. Ber. Deut. Bot. Ges. 51: 301-314. illus. (map) O.26, 1933. no.7.

Biochem. Zeitschr. (Berlin) (384B522)

Belitzer, W. A.
Ueber den mechanismus der toluolwirkung auf die gärung der hefezelle. Biochem. Zeitschr. 265: 5-12. S.23, 1933. no.1/3.

Chrzaszcz, T. & Janicki, J.
Die wirkliche und scheinbare amylasemenge in verschiedenen getreidearten vor und während der keimung. Biochem. Zeitschr. 265: 260-281. O.15, 1933. no.4/6.

Grzycki, S.
Die umwandlung des acetessigaldehyds durch hefe. Biochem. Zeitschr. 265: 195-198. S.23, 1933. no.1/3.

Hofmann, E.
Ueber die phosphorylierung durch lactose-hefen. Biochem. Zeitschr. 265: 203-208. S.23, 1933. no.1/3.

Bol. Soc. Espan̄. Hist. Nat. (Madrid) (506M263B)
Urries y Azara, M. J. de
Algunos datos para la flora española de micromicetos. Bol. Soc. Espan̄. Hist. Nat. 33: 91-104. illus. Ap.15, 1933. no.2/3.

Bull. Agence Gén. Colon. France. (Paris) (260C71B)
Wahl, A., Maheu, J. & Heim de Balsac, H.
Le bois de "padouk" a-t-il une valeur tinctoriale? Bull. Agence Gén. Colon. France 26: 729-740. 3 pl. My. 1933. no.290.
Pterocarpus soyauxii.

Bull. Cl. Sci. Acad. Roy. Belg. (Bruxelles) (504B83B)
Hauman, L.
Esquisse de la végétation des hautes altitudes sur le Ruwenzori. III. Bull. Cl. Sci. Acad. Roy. Belg. V,19: 900-917. illus. (map) 1933. no.8/9.
Resultats botaniques de la mission belge pour l'exploration du Ruwenzori, 1932.

Prévot, P. & Bouillenne, R.
Recherches expérimentales sur les phénomènes de néoformation chez Begonia rex Putz. I. Bull. Cl. Sci. Acad. Roy. Belg. V,19: 945-960. 1933. no.8/9.

Bull. Mus. Hist. Nat. Paris (410.9P213)
Chevalier, A.
Plantes nouvelles ou peu connues de l'Afrique tropicale. III. Bull. Mus. Hist. Nat. Paris II, 5: 408-410. Je. 1933. no.5.

Leandri, J.
Sur la station d'origine du Poinciania regia Boj. Bull. Mus. Hist. Nat. Paris II, 5: 413-414. Je. 1933. no.5.

Lefèvre, M.
Recherches sur les péridiniens fossiles des Barbades. Bull. Mus. Hist. Nat. Paris II, 5: 415-418. Je. 1933. no.5.

Bull. Orto Bot. Univ. Napoli (89N16)
Casalaina, G.
Note tecniche sulla discromia sperimentale da nicotina. Bull. Orto Bot. Univ. Napoli 11: 193-199. 1933 (F.15)

Bull. Orto Bot. Univ. Napoli (cont.)

Fiore, M.
Contributo alle ricerche riguardanti la somministrazione di autacoidi animali a vegetali. I. Bull. Orto Bot. Univ. Napoli 11: 89-109. illus. [1933] (Jl.12, 1932)

Nicotra, L.
Nuovi studi sul sistema delle crocifere. I. Bull. Orto Bot. Univ. Napoli 11: 7-9, 135-137. [1933] (Jl.31, 1932)

Paruta, M.
Albicatura sperimentali. Bull. Orto Bot. Univ. Napoli 11: 139-144. illus. [1933] (O.30,1932)

Rippa, G.
Cenni sulla flora di ariano di Puglia. Bull. Orto Bot. Univ. Napoli 11: 111-134. [1933] (Jl.23, 1932)

Rippa, G.
Oxalis cernua Thunb. ed Ox. mirbelii F. Dehnh. Bull. Orto Bot. Univ. Napoli 11: 1-6. pl. i. [1933] (My.2, 1932)

Rodio, G.
Sul parossismo delle infiorescenze delle aracee con osservazioni e ricerche sullo spadice dell'Arum italicum Mill. Bull. Orto Bot. Univ. Napoli 11: 145-191. pl.vi-viii. 1933(Ja.16)

Savelli, R. & Soster, N.
Berillio e cinconina su germinazioni di Sinapis alba. Bull. Orto Bot. Univ. Napoli 11: 35-40. pl.v. [1933]

Savelli, R.
Reminiscenze teratologiche. I. Inversione sessuale degli stami di Nicotiana. Bull. Orto Bot. Univ. Napoli 11: 201-240. illus., pl. ix. 1933. (Mr.10)

Savelli, R.
Sulla fioritura di Araucaria bidwillii Hook. Bull. Orto Bot. Univ. Napoli 11: 51-53. [1933] (Je.27, 1932)

Bull. Orto Bot. Univ. Napoli (cont.)

Savelli, R.

Sulla velenosità di alcuni sali metallici rispetto alle germinazionidi Sinapis alba. Bull. Orto Bot. Univ. Napoli 11: 65-72. [1933] (Je.28, 1932)

Soster, N.

Influenza del manganese sull'avvelenamento stricnico delle germinazioni di Sinapis alba L. Bull. Orto Univ. Napoli 11: 25-33. pl.ii-iv. [1933] (My.18, 1932)

Soster, N.

Sulla velenosità di taluni alcaloidi. Bull. Orto Bot. Univ. Napoli 11: 73-80. fold.chart. [1933] (Je.30, 1932)

Bull. Public Mus. Milwaukee (500M64B)

Hansen, H. P.

The tamarack bogs of the driftless area of Wisconsin. Bull. Public Mus. Milwaukee 7: 231-293. illus. (incl. maps), pl.39-44 (39, map) Je.9, 1933.

Rhodes, J. W.

An ecological comparison of two Wisconsin peat bogs. Bull. Public Mus. Milwaukee 7: 305-361. illus. (incl. maps) O.4, 1933. no.3.

Hope Lake bog, Jefferson Co., Reeseville bog, Dodge Co.

Bull. Sci. Pharm. (Paris) (396.8B872)

Hamet, R.

Sur une nouvelle méthode d'extraction et de séparation des alcaloïdes du Pseudocinchona africana.A. Chev. Bull. Sci. Pharm. 40: 523-527. O. 1933. no.10.

Mascré, M. & Caron, M.

Essai chimique et physiologique de quelques Lobelia. Bull. Sci. Pharm. 40: 519-520. O. 1933. no.10.

Valeur, P. Mme.,

Composition chimique du Retama sphaerocarpa Boiss. Bull. Sci. Pharm. 40: 520-523. O.1933. no.10.

Retem of Arabs.

Bull. Soc. Chim. Biol. (Paris) (383Sol)
Bourdouil, C. Mlle.
Sur la germination comparée de quelques variétés de pois. Bull. Soc. Chim. Biol. 15: 1121-1123. S./O. 1933. no.8.

Calif. Citrogr. (Los Angeles) (80C125)
Zinc-lime as a substitute for Bordeaux as brown rot spray. Calif. Citrogr. 19: 53. D. 1933. no.2.
Talk given by H. S. Fawcett in Los Angeles, November 1st.

Chem. & Industr. (382M31)
Chandrasena, J.P.C. & Lourensz, H.
The essential oil of Canarium zeylanicum (THW.) Chem. & Industr. 52: 362T. N.10, 1933. no.45.

Compt. Rend. Acad. Sci. Paris (505P21)
Chaze, J.
Un nouvel exemple d'exsudation et de volatilsation des alcaloïdes chez les végétaux. Compt. Rend. Acad. Sci. Paris 197: 1148-1150. N.13, 1933. no.20.

Dangeard, P. A.
Observations sur le vacuome des cyanophycées. Compt. Rend. Acad. Sci. Paris 197: 1016-1019. N.6, 1933. no.19.

Dauphiné, A.
Sur les ponctuations intercellulaires. Compt. Rend. Acad. Sci. Paris 197: 1147-1148. N.13, 1933. no.20.

Davy de Virville, A.
La flore et les conditions physiques des flaques du littoral de l'océan Atlantique et de la manche. Compt. Rend. Acad. Sci. Paris 197: 1000-1001. O.30, 1933. no.18.

Dubois, G. & Dubois, C.
Sur la silve de l'Armor léonard depuis le Flandrien moyen et sur la genèse de quelques tourbes en cette contrée. Compt. Rend. Acad. Sci. Paris 197: 1145-1146. N.13, 1933. no.20.

Lesage, P.
Contribution à l'étude des modifications héréditaires produites dans les plantes par la chaleur. Compt. Rend. Acad. Sci. Paris 197: 1061-1063. illus. N.6, 1933. no.19.
Experiments with Lepidium sativum.

Deut. Landw. Presse (Berlin) (18D482)
Meyer-Hermann, K.
Die bekämpfung des windhalms im wintergetreide. Deut. Landw. Presse 60: 557-558. illus. N.4, 1933. No.44.

Ernähr. Pflanze (Berlin) (57.8Er6)
Scharrer, K. & Schropp, W.
Sand- und wasserkulturversuche mit lithium und rubidium unter besonderer berücksichtigung einer etwaigen ersetzbarkeit des kaliums durch diese beiden elemente. Ernähr. Pflanze 29: 413-425. illus. N.15, 1933. no.22.

For. Res. India (99.9In23)
India. Forest research institute.
Mycology section. For. Res. India 1932-33: 27-28. 1933.

Gard. Chron. (London) (80G162)
Dr. Attilio Ragionieri. Gard. Chron. III, 94: 353-354. N.4, 1933. no.2445.

Friend, H.
Herbals and herbalists. I. Gard. Chron. III, 94: 344-345. N.4, 1933. no.2445.

Grove, A.
Seeding of Lilium candidum. Gard. Chron. III, 94: 342. N.4, 1933. no.2445.

Hurst, C. C.
Origin of species in Rosa, Linn. Gard. Chron. III, 94: 347-348. N.4, 1933. no.2445.

Ingwersen, W.
Lilies of the Maritime Alps. Gard. Chron. III, 94: 342. N.4, 1933. no.2445.

Morgan, L. E.
The horticultural treatment of thoroughfares. I. Gard. Chron. III, 94: 365-366. N.11, 1933. no.2446.

Smith, E. H.
Spotted wilt disease of tomatoes. Gard. Chron. III, 94: 350. illus. N.4, 1933. no.2445.

Gard. Chron. (cont.)

Staniland, L. N.

Treatment of narcissus bulbs with hot water. Gard. Chron. III, 94: 366. N.11, 1933. no.2446. Refers to R.J. Hastings' article of same title.

Wales, N.

Notes on autumn colour. Gard. Chron. III, 94: 345-446. N.4, 1933. no.2445.

Ward, F. K.

Mr. F. Kingdon Ward's eleventh expedition in Asia. XLI. Down the valley. Gard. Chron. III, 94: 362-364. illus. N.11, 1933. no.2446.

White, D. T.

Acalypha compacta, Hort. Brisbane. Gard. Chron. III, 94: 343. illus. N.4, 1933. no.2445.

Gartenbauwiss. (Berlin) (80G195)

Branscheidt, P.

Beitrag zur frage der sortenbeschreibung und der fertilitätsverhaltnisse beim pfirsich. Gartenbauwiss. 8: 45-76. illus. 0.20, 1933. no.1.

Loewel, E. L.

Der augenblickliche stand der mittelfrage in der fusicladiumbekämpfung im niederelbischen obstanbaugebiet. Gartenbauwiss. 8: 125-134. illus. 0.20, 1933. no.1.

Moog, H.

Beiträge zur ampelographie. III. Gartenbauwiss. 8: 1-44. illus. 0.20, 1933. no.1.

Wilhelm, A. F.

Experimentelle untersuchungen über kalteresistenz von reben und obstgehölzen. Gartenbauwiss. 8: 77-114. illus. 0.20, 1933. no.1.

Gartenfl. (Berlin) (80G19)

Herre, H.

Eriospermum. Interessante, noch unbekannte knollengewächse aus Südafrika. Gartenfl. 82: 307-310. illus. N. 1933.

Gartenfl. (cont.)
Janson, A.
Absterben grösserer äste des pfirsichbaumes.
Gartenfl. 82: 316-317. N. 1933.

Gartenw. (Berlin) (80G196)
Zur bekämpfung von aelchen an chrysanthemen.
Gartenw. 37: 544. N.3, 1933. no.44.
Control methods recommended by H. Goffart.

Gartn.-Tid. (København) (80G192)
Buchwald, N. F.
To for Danmark nye bakterioser paa prydplanter.
Gartn.-Tid. 49: 623-626. illus. N.7, 1933. no.45.
1. Begoniens brunbakteriose [Bacterium campestre]
2. Berberissens pletbakteriose. (Phytomonas berberidis).

Genetica (The Hague) (442.8G282)
Afify, A.
The cytology of the hybrid between Lycopersicum esculentum and L. racemigerum in relation to its parents. Genetica 15: 225-240. illus. 1933. no.4.

Buchinger, A.
Zur genetik der Aegilops-weizen- und Aegilops-roggen-bastarde. Genetica 15: 299-342. illus. 1933. no.4.

Rischkow, V.
Einige genetische, cytologische und physiologische daten über den status albomaculatus.
Genetica 15: 343-352. illus. 1933. no.4.

Toxopeus, H. J.
Some cases of bud-variation in citrus observed in Java. Genetica 15: 241-252. illus. 1933.

Hadar (Jaffa) (80H11)
Yedidyah, S.
The citrus root-stock problem in Palestine.
Hadar 6: 233-235. illus. O. 1933. no.10.

Hoppe-Seyl. Zeitschr. Phys. Chem. (Berlin) (384Z38)
Ohlsson, E.
Amylasen in ruhenden und keimenden samen. II-III.
Hoppe-Seyl. Zeitschr. Phys. Chem. 221: 165-173, 174-179. O.27, 1933. no.3/4.
C.E. Uddenberg joint author II, O.Edfeldt joint author III.

Zechmeister, L. & Tuzson, P.
Zur kenntnis des mandarinenpigments. I-
Hoppe-Seyl. Zeitschr. Phys. Chem. 221: 278-280.
N.9, 1933. no.5/6.

Indian Journ. Agr. Sci. (Calcutta) (22Ag831)

Ayyangar, G.N.R., Vijiaraghavan, C., Pillai, V. G. & Ayyar, M.A.S.

Inheritance of characters in sorghum - the great millet. II-III. Indian Journ. Agr. Sci. 3: 589-594, 594-604. col.pl. xlii-xliii. Ag. 1933. no.4.

II. Purple pigmentation on leaf-sheath and glume. III. Grain colours: red, yellow and white.

Ayyangar, G.N.R., Vijiaraghavan, C., Ayyar, M.A.S. & Rao, V. P.

Studies in sorghum - the great millet. II. Anther, stigma and grain colour affinities. Indian Journ. Agr. Sci. 3: 605-608. col.pl. xliv. Ag.1933. no.4.

Ayyangar, G.N.R., Vijiaraghavan, C. & Pillai, V. G.

Studies on Pennisetum typhoideum (Rich.) I. Indian Journ. Agr. Sci. 3: 688-694. pl.liv. Ag. 1933. no.4.

Chona, B. L.

Preliminary investigations on the diseases of bananas occurring in the Punjab and their method of control. Indian Journ. Agr. Sci. 3: 673-687. pl. li-liii. Ag. 1933. no.4.

Desai, S. V.

Studies on the nature of the causative agent of the mosaic disease of tomatoes. Indian Journ. Agr. Sci. 3: 626-638. pl. xlv-xlviii (1 col.) Ag.1933. no.4.

Dey, P. K. & Nigam, B. S.

A soft rot of apple. Indian Journ. Agr. Sci. 3: 663-672. illus., pl.l. Ag. 1933. no.4.

Aspergillus niger.

Kadam, B. S. & Patil, G. G.

Blooming and anthesis in Kolamba rice. Indian Journ. Agr. Sci. 3: 577-588. Ag. 1933. no.4.

Venkataramanan, S. N. & Subramanyam, P.

Biometric studies in sorghum. The relation of yield to other characters in Andropogon sorghum. Indian Journ. Agr. Sci. 3: 609-625. Ag.1933. no.4.

Jardinage (Paris) (80J282)
Davet, J.
Le chancre bactérien du peuplier. Jardinage 21(177): 25-26. illus. No. 1933.

Journ. Amer. Chem. Soc. (381Am33J)
Mackinney, G. & Milner, H. W.
Carrot leaf carotene. Journ. Amer. Chem. Soc. 55: 4728-4729. N.1933. no.11.

Journ. Bot. (London) (450J82)
Dandy, J. E.
A second species of Pachylarnax (Magnoliaceae). Journ. Bot. 71: 312-313. N. 1933. no.851.
P. pleiocarpa.

Gilmour, J. S. L.
New variety of Prunella vulgaris. Journ. Bot. 71: 320-321. N.1933. no.851.
Var. pallida.

Puglsey, H. W.
Eric Drabble (1877-1933). Journ. Bot. 71: 318-319. No. 1933. no.851.

Puglsey, H. W.
The Euphrasias of Iceland and the Faroes. Journ. Bot. 71: 303-309. N.1933. no.851.
E. davidssonii.

Taylor, G.
The genus Poskea Batke. Journ. Bot. 71: 310-312. N. 1933. no.851.

Watson, W.
Lichenological notes. VII. Journ. Bot. 71: 314-318. N.1933. no.851.

Wright, F. R. E.
Contribution to the flora of Lundy Island. Journ. Bot. 71(Suppl.): 1-11. pl.1-6. N.1933. no.851.

Journ. Dept. Agr. West Austral. (Perth) (23W52J)
Gardner, C. A.
The wild turnip. (Brassica tournefortii, Gouan.) Journ. Dept. Agr. West. Austral. II, 10: 409-419. illus., fold.map. S.1933. no.3.

Journ. Dept. Agr. West. Austral. (cont.)

Pittman, H. A.

Bacterial wilt of tomatoes and other solanaceous crops. Journ. Dept. Agr. West. Austral. II, 10: 373-374. S. 1933. no.3.

Journ. East Africa & Uganda Nat. Hist. Soc. (410.9Ea72)

Napier, E.

Notes on wild flowers. Journ. East Africa & Uganda Nat. Hist. Soc. 47/48(Ja.1933): 138-141. 3 pl. S. 1933.

Craterostigma plantigineum, Rhamphicarpa montana Leonotis nepetaefolia, Ocimum americanum, Asclepias macrantha, Platycoryne montis-elgon.

Journ. Fac. Sci. Hokkaido Imp. Univ. Ser. V, Bot.

Sakamura, T.

Beitrage zur protoplasmaforschung an Spirogyrazellen. Journ. Fac. Sci. Hokkaido Imp. Univ. Ser. V, Bot. 2: 287-316. illus., pl.xiv-sv. Ag.1933. no.4.

Sakamura, T. & Yoshimura, F.

Ueber die bedeutung der H-ionenkonzentration und die wichtige rolle einiger schwermetallsalze bei der kugelzellbildung der aspergillen. Journ. Fac. Sci. Hokkaido Imp. Univ. Ser. V, Bot. 2: 317-331. pl.xvi. Ag.1933. no.4.

Journ. Gen. Physiol. (Baltimore) (447.8J822)

Arnold, W.

The effect of ultraviolet light on photosynthesis. Journ. Gen. Physiol. 17: 135-143. N.20, 1933. no.2.

Experiments with Chlorella pyrenoidosa.

Arnold, W.

The order of the Blackman reaction in photosynthesis. Journ. Gen. Physiol. 17: 145-149. No.20, 1933. no.2.

Experiments with Chlorella pyrenoidosa.

Daggs, R. G. & Halcro-Wardlaw, H. S.

The conversion of fat to carbohydrate in the germinating castor bean. II. The combustion respiratory quotient as determined by a modified oxycalorimeter. Journ. Gen. Physiol. 17: 303-309. No.20, 1933. no.2.

Journ. Gen. Physiol. (cont.)
Murlin, J. R., Murlin, W. R. & Watkeys, J. D.
The conversion of fat to carbohydrate in the germinating castor bean. I. The respiratory metabolism. Journ. Gen. Physiol. 17: 283-302. illus. N.20, 1933. no.2.

Pierce, H. B., Sheldon, D. E. & Murlin, J. R.
The conversion of fat to carbohydrate in the germinating castor bean. III. The chemical analysis, and correlation with respiratory exchange. Journ. Gen. Physiol. 17: 311-325. No.20, 1933. no.2.

Journ. Indian Inst. Sci. (Madras)
Sreenivasa Rao, Y. V.
Contributions to the study of the spike-disease of sandal (Santalum album, Linn.) XIII-XIV. Journ. Indian Inst. Sci. 16A:91-95. 1933. no.8.
XIII. Investigation of the hexone bases. XIV. Study of mosaics associated with spiked areas.

Kakteenk. Deut. Kakteen-Ges. (451D482)
Bödeker, F.
Mammillaria wiesingeri Böd. sp.n. Kakteenk. Deut. Kakteen-Ges. 1933: 204-205. illus. N. 1933. no.11.

Landbouw, Nederl.-Indië (Buitenzorg) (22.5L23)
Donath, W. F. & Spruyt, J. P.
Het anti-beri-vitaminegehalte van Katjang bogor (Voandzeia subterranea (L.) Thouars.) (The content of anti-beriberi vitamin in Kachang bogor (Voandzeia subterranea (L.) Thouars.) Landbouw, Nederl.-Indië 9: 133-144. S.1933. no.3.
English Summary: p.144.

Landw. Jahrb. Schweiz. (Bern) (17L23)
Faes, H.
Rapport annuel 1932. Station fédérale d'essais viticoles à Lausanne et domaine de Pully. Landw. Jahrb. Schweiz 47: 919-972. illus. 1933. no.8.

Lingnan Sci. Journ. (Canton, China) (22.5C16)
Ching, R. C.
Notes on the herbarium Willdenow. Lingnan Sci. Jour. 12: 565-570. illus, pl.43. O.16, 1933. no.4.

Lingnan Sci. Journ. (cont.)

Metcalf, F. P.

A new Chinese Scutellaria and notes on Gardenia. Lingnan Sci. Journ. 12: 593-594. pl.47. O.16, 1933. no.4.

Scutellaria inghokensis, Gardenia jasminoides var. longisepala (G. angusta var. longisepala).

Missouri Bot. Gard. Bull. (St. Louis) (89M69B)

Cutak, L.

Carrion flowers. Missouri Bot. Gard. Bull. 21: 134-136. pl.36-37. N.1933. no.9.

Stapelia.

Jensen, L. P.

Some interesting primroses. Missouri Bot. Gard. Bull. 21: 132-134. pl.34-35. N. 1933. no.9.

Oenothera.

An old, but newly discovered plant for winter decoration in the home (Solanum aculeatissimum). Missouri Bot. Gard. Bull. 21: 129-131. pl.33. N. 1933. no.9.

Mitt. Deut. Landw. Ges. (Berlin) (18D48M)

Becker, A.

Holzschutz in der landwirtschaft gegen pilzliche und tierische holzzerstorer. Mitt. Deut. Landw. Ges. 48:985-987. illus. 1933. no.45.

Rothe, G.

Ueber die verschiedenen ursachen für spikendürre der obstbäume. Mitt. Deut. Landw. Ges. 48: 1010-1011. 1933. no.46.

1. Von den pilzen... (Monilia, Fusicladium), 2. Von tieren... 3. Physiologische...

Nachrichtenbl. Deut. Pflanzenschutzd. (Berlin) (464.9N11)

Laubert, R.

Mehltau und Rhytisma auf Acer negundo. Nachrichtenbl. Deut. Pflanzenschutzd. 13: 94. No. 1933. no.11.

Lüstner, G.

Was bedeutet die beziehnung "taschen" für die an Taprina pruni erkrankten zwetschenfrüchte? Nachrichtenbl. Deut. Pflanzenschutzd. 13: 93-94. No. 1933. no.11.

Nachrichtenbl. Deut.Pflanzenschutzd. (cont.)

Muller, K. O.
Ueber die biotypen von Phytophthora infestans und ihre geographische verbreitung in Deutschland. Nachrichtenbl. Deut. Pflanzenschutzd. 13. 91-92. illus. (maps). N.1933. no.11.
Vorlaufige mitteilung.

Nature (London) (472N21)

Adams, J.
Zostera marina on Anticosti Island. Nature 132: 752. N.11, 1933. no.3341.

Bates, G. R.
Oil glands of citrus fruits as an avenue of infection. Nature 132: 751-752. N.11, 1933. no.3341.

Subrahmanyan, V. & Siddappa, G. S.
Effect of yeast on the growth of plants. Nature 132: 713. N.4, 1933. no.3340.

Nauk. Zapiski Tsukr. Prom. [Sci. Contr. Sugar Ind.] (Kiev) (65.9K54)

Kovaleskaja, M. F.
Metod "ranevykh razdrazheniĭ" v primenenii k sakharnoĭ svekle s tsel'i͡u polucheni͡ia mutatsiĭ (The method of "wound irritations" applied to the sugar beet to obtain tetraploid forms). Nauk Zapiski Tsukr. Prom. (Sci. Contr. Sugar Ind.) Je. 1933, p.123-132. illus. no.32.
Ukrainian.

New Phytol. (London) (450N42)

Baker, H. & James, W. O.
The behaviour of dyes in the transpiration stream of sycamores (Acer pseudoplatanus L.) New Phytol. 32: 245-260. illus. N.6, 1933. no.4.

Chattaway, M. M.
Tile-cells in the rays of the Malvales. New Phytol. 32: 261-273. illus., pl.ix. N.6, 1933. no.4.

Johnson, E. L.
The influence of x-radiation on Atriplex hortensis L. New Phytol. 32: 297-307. illus. N.6, 1933. no.4.

New Phytol.. (cont.)
Pardo, J. H.
A note on the utilisation of ammonium and nitrate by higher plants. New Phytol. 32: 308-310. N.6, 1933. no.4.

Seward, A. C.
An Antarctic pollen-grain; fact or fancy? New Phytol. 32: 311-313. illus. N.6, 1933. no.4.

Snow, R.
The nature of the cambial stimulus. New Phytol. 32: 288-296. illus. N.6, 1933. no.4.
Probably a hormon.

Thoday, D.
Some physiological aspects of differentiation. New Phytol. 32: 274-287. N.6, 1933. no.4.

New Zeal. Journ. Agr. (Wellington) (23N48J)
Hullett, E. W. & Calder, J. W.
A simple ultra-violet ray apparatus for testing rye-grass. New Zeal. Journ. Agr. 47: 236-237. illus. O.20, 1933. no.4.

Notes R. Bot. Gard. Edinb. (89Ed4)
Cooper, R. E.
Botanical tours in Bhutan, with special reference to the occurrence of the genus Primula. Notes R. Bot. Gard. Edinb. 18: 67-118. pl.ccxxxvii-ccxxxix. N. 1933. no.87.

Orchid Rev. (Richmond) (80Or15)
Hills, B.
Sick orchids: some causes and cures. Orchid Rev. 41: 324-329. illus. N. 1933. no.485.

Oxford For. Mem. (99.90x22)
Peace, T. R. & Holmes, C. H.
Meria laricis, the leaf cast disease of larch. Oxford For. Mem. 15. 29 p. 5 pl. 1933.

Pflanzenbau (Berlin) (18P48)
Klapp, E.
Der abbau der kartoffel als folge von leistungsüberspannungen. Pflanzenbau 10: 129-146. O.1933. no.4.
Eine arbeitshypothese auf grund der abbaufördernden einflüsse verlängerter vegetationsdauer und erhöhter vegetationsintensität.
Viruskrankheit und abbau: p.131-135.

Pharm. Zentralh. (Dresden) (396.8P492)
Richter, J.
Bakteroidenknöllchen und mykorrhiza. Pharm. Zentralh. 74: 653-660. O.26, 1933. no.43.

Philipp. Agr. (Los Banos) (25P542)
Ramos, M. M.
Mechanical injuries to roots and corms of abacá in relation to heart-rot disease. Philipp. Agr. 22: 322-337. O. 1933. no.5.

Phytopath. (464.8P56)
Allen, R. F.
The spermation of corn rust, Puccinia sorghi. Phytopath. 23: 923-925. illus. N.1933. no.11.

Bryan, M. K.
Bacterial speck of tomatoes. Phytopath. 23: 897-904. illus. N. 1933. no.11.
Bacterium punctulans.

Condit, I. J. & Horne, W. T.
A mosaic of the fig in California. Phytopath. 23: 887-896. illus. N. 1933. no.11.

Hayes, H.K., Johnson, I.J. & Stakman, E.C.
Reaction of maize seedlings to Gibberella saubinetti. Phytopath. 23: 905-911. N.1933. no.11.

Lachmund, H. G.
Resistance of the current season's shoots of Pinus monticola to infection by Cronartium ribicola. Phytopath. 23: 917-922. illus. N.1933. no.11.

Link, G.K.K.
Etiological phytopathology. Phytopath. 23: 843-862. N.1933. no.11.

Narasimhan, M. J.
Black rot of coffee in Mysore. Phytopath. 23: 875-886. illus. N.1933. no.11.

Remsberg, R. & Hungerford, C. W.
Certain sclerotium diseases of grains and grasses. Phytopath. 23: 863-874. illus. N. 1933. no.11.

Rosen, H. R.
Influence of spray applications on air temperatures surrounding sprayed potato plants. Phytopath. 23: 912-916. N. 1933. no.11.

Phytopath. Zeitschr. (Berlin) (464.8P562)

Arnaudi, C.
Ueber die technik der künstlichen immunisierung von pflanzen. Phytopath. Zeitschr. 6: 525-530. 1933. no.5.

Böhme, R. W.
Einige fälle spontaner infektion mit echtem tabak-ringflecken-virus (tobacco-ringspot). Phytopath. Zeitschr. 6: 507-515. illus. 1933. no.5.

Böhme, R. W.
Vergleichende untersuchungen mit stämmen des x- und y- virus. Phytopath. Zeitschr. 6: 517-524. 1933. no.5.

Ciferri, R. & Parodi, E.
Descrizione del fungo che causa la moniliasi del cacao. Phytopath. Zeitschr. 6: 539-542. illus. 1933. no.5.
Monilia roreri n.sp.

Klinkowski, M.
Die chlorophylldefekte der luzerne als ausdrucksformen verschiedener physiologischer störungen. Phytopath. Zeitschr. 6: 531-537. illus. 1933. no.5.

Gassner, G. & Kirchhof, H.
Versuche zur bekämpfung des weizenflugbrandes mittels benetzungsbeize. Phytopath. Zeitschr. 6: 453-468. illus. 1933. no.5.

Roemer, T. & Bartholly, R.
Die aggressivität verschiedener steinbrandherkunfte (Tilletia tritici (Bjerk.) Wint.) und ihre veränderung durch die wirtssorte. Phytopath. Zeitschr. 6: 469-506. 1933. no.5.

Prakt. Ratg. Obst.-u. Gartenb. (Frankfurt a.d.O.) (80P883)

Roeder, W.v.
Ueber die verschiedenartigkeit der kakteenstacheln. Prakt. Ratg. Obst.-u. Gartenb. 48: 549. illus. N.12, 1933. no.46.

Proc. Birmingham Nat. Hist. & Phil. Soc. (501B53)

Elliott, W. T. & Brazier, E.
The Mycetozoa of the south western area of the Midland Plateau. Proc. Birmingham Nat. Hist. & Phil. Soc. 16: 71-79. S.1933. no.4.

Proc. Birmingham Nat. Hist. & Phil. Soc. (cont.)

Elliott, J. S. B.
Some soil fungi of Hartlebury Common. Proc. Birmingham Nat. Hist. & Phil. Soc. 16: 93-100. illus. S. 1933. no.4.
Hartlebury Common records. VII.

Poulton, E. M.
The algae of Hartlebury Common. Proc. Birmingham Nat.Hist. & Phil. Soc. 16: 81-87. S. 1933. no.4.
Hartlebury Common records. V.

Protoplasma (Leipzig) (442.3P94)

Cholodny, N. & Sankewirtsch, E.
Plasmolyseform und ionenwirkung. Protoplasma 20: 57-72. illus. O. 1933. no.1.
Experiments with Spirogyra, Rhoeo discolor, and Allium cepa.

Iljin, W. S.
Ueber den kältetod der pflanzen und seine ursachen. Protoplasma 20: 105-124. illus. O. 1933. no.1.

Nadson, G. A. & Rochlin, E. J.
L'effet des rayons x sur le protoplasme, le noyau et le chondriome de la cellule végétale d'après les observations sur le vivant. Protoplasma 20: 31-41. pl.i-ii. O.1933. no.1.
Experiments with Allium cepa.

Pfeiffer, H.
Beiträge zur quantitativen bestimmung von molekularkräften des protoplasms. II-III. Protoplasma 20: 73-78, 79-84. O. 1933. no.1.
II. Eine modifikation der methode zur bestimmung des reibungs widerstandes nackter protoplasten. III. Die bestimmung des randwinkels aus der form nackter protoplasten.

Valkanov, A.
Ueber die kinetische energie einiger zellstandteile. Protoplasma 20: 20-30. illus. O. 1933. no.1.
Experiments with Characeae.

Weber, F.
Alkohol-resistenz ungleich alter Spirogyrazellen. Protoplasma 20: 15-19. O.1933. no.1.

Quart. Journ. Pharm. & Pharmacol. (London)(396.8Q2)

Dewar, T.

The histology of the leaves of Digitalis thapsi. Quart. Journ. Pharm. & Pharmacol. 6: 443-453. illus. Jl./S. 1933. no.3.

Wallis, T. E. & Dewar, T.

Buchu and the leaves of other species of Barosma a comparative study of their anatomy. Quart. Journ. Pharm. & Pharmacol. 6: 347-362. illus. Jl./S. 1933. no.3.

Repert. Spec. Nov. Beih. (Dahlem bei Berlin) (450R29B)

Cufodontis, G.

Kritische revision von Senecio sectio Tephroseris. (cont.) Repert. Spec. Nov. Beih. v.70, no.2. p.97-192. S.25, 1933.

Rep. Dept. Lands & For. Nova Scotia (412.9N852)

Ehrlich, J.

The beech bark disease in Nova Scotia. Rep. Dept. Lands & For. Nova Scotia 1932: 39-45. 1933.

Res. Bull. Coll. Exp. For. Coll. Agr. Hokkaido Imp. Univ.
Sapporo, Japan.(99.9H68)

Tatewaki, M. & Morimoto, T.

Reports on the ecological survey of the Teshio experimental forest, Hokkaido. II. On the synecological survey of the forest of Picea glehni. Res. Bull. Coll. Exp. For. Coll. Agr. Hokkaido Imp. Univ. Sapporo, Japan v.8. 287 p. illus., fold.col. map, 4 pl. 1933.

Japanese with English summary.

Rev. Agr. Guatemala. (8G934)

Alvardo, J. A.

Enfermedades del cafeto. I-III. Rev. Agr. Guatemala 11: 369-373, 496-501, 525-529. 2 pl. on 1. Ag.10, S.15, O.25, 1933. no.7,8,9.

Deger, E.

Para prevenir una enfermedad del cafeto. Rev. Agr. Guatemala 11: 530-534. O.25, 1933. no.9.

Enfermedad amarilla de las raices.

Rev. Asoc. Ingen. Agron. Montevideo (290.9As73)
Spangenberg, J. & Saravia Garcia, O.
Influencia de diversos factores ecológicos en al variación de los rendimientos de trigo. Rev. Asoc. Ingen. Agron. Montevideo 5(3): 3-12. S. 1933.

Rev. Hort. Organ. Soc. Hort. Romania (Bucurest) (80R328)
Alexandria, Al.V.
Tumoriile canceroase la vegetale. Rev. Hort. Organ.Soc. Hort. Romania 11: 165-172. illus. N.1, 1933. no.129.

Scient. Month. (470Sci23)
Douglass, A. E.
Tree growth and climatic cycles. Scient. Month. 37: 481-495. illus. D.1933. no.6.

Soil Sci. (Baltimore) (56.8So3)
Georgi, C. E., Orcutt, F. S. & Wilson, P. W.
Further studies on the relation between the carbon assimilation and nitrogen fixation in leguminous plants. Soil Sci. 36: 375-382. N. 1933. no.5.

Succulenta (Leeuwarden) (450Su1)
Backeburg, C.
Vierde brief van den cactusjager. Succulenta 15:197-201. N.1933. no.11.

Duursma, G. D.
Euphorbia valida N.E. Br. Succulenta 15: 209-210. illus. N. 1933. no.11.

Woerden, C. v.
Een nieuwe cactusschimmel. (Helminthosporium cactacearum). Succulenta 15: 203-207. illus. N. 1933. no.11.

Sugar Bull. (65.9Am32)
Abbott, E. V.
Seed rots of sugar cane in Louisiana. Sugar Bull. 12(4): 6-7. N.15, 1933.

La Terre Maroc. (Rabat) (24T44)
Miege, E.
Les plantes fourragères du Maroc. (cont.) La Terre Maroc. 3(43): 15-27. illus. N.1, 1933.

Tidsskr. Planteavl. (København) (11T439)

Denmark, Statens plantepatologiske forsøg.

Plantesygdomme i Danmark 1932. (Plant diseases and pests in Denmark 1932). Tidsskr. Planteavl. 39: 453-506. illus. 1933. no.3.

English summary: p.505-506.

Nielsen, N. J.

Forsøg med bekaempelse af kaalbroksvamp. (Experiments in combatting finger and toe disease (Plasmodiophora brassicae). Tidsskr. Planteavl. 39: 361-400. 1933. no.3.

English summary: p.390-391.

Nielsen, O.

Forsøg med bekaempelse af skulpesvamp. Tidsskr. Planteavl. 39: 437-452. illus. 1933. no.3.

English summary: p.451-452.

Petersen, E. J.

Havrebakterioser, foraarsaget af Phytomonas coronafaciens. Tidsskr. Planteavl. 39: 507-523. pl.i-ii. 1933. no.3.

Tijdschr. Plantenz. (464.8T44)

Botjes, J. G. O.

Verzwakking van het virus der topnecrose, en verworven immuniteit van aardappelrassen ten opzichte van dit virus. (Attenuation of the virus of topnecrosis (acronecrosis, healthy potato virus) and acquired immunity of potato varieties to this virus). Tijdschr. Plantenz. 39: 249-262. pl. xxiii. O. 1933. no.10.

English summary: p.260-261.

Löhnis, M. P.

Randjesziekte bij aalbessen. (Marginal leaf scorch in red currants). Tijdschr. Plantenz. 39: 268-275. pl. xxiv-xxv. O. 1933. no.10.

English summary: p.272-274.

Poeteren, N. v.

Het toezicht op de constantheid van samenstelling von vruchtboomcarbolineum. Tijdschr. Plantenz. 39: 276-278. O. 1933. no.10.

Quanjer, H. M.

Onderozek naar de vatbaarheid voor plantenziekten. Tijdschr. Plantenz. 39: 263-267. O. 1933. no.10.

Trans. Texas Acad. Sci. (50T31)
Taubenhaus, J. J. & Ezekiel, W. N.
Check list of diseases of plants in Texas. Trans. Texas Acad. Sci. 16(1931/32): 5-89. 1933.

U.S. Dept. Agr. Farm Bull. (1Ag84F)
Clark, J. A. & Bayles, B. B.
Varieties of club wheat. U.S. Dept. Agr. Farm.Bull. 1708. 11 p. illus. O.1933.

Clark, J. A. & Bayles, B. B.
Varieties of common white wheat. U. S. Dept. Agr. Farm. Bull. 1707. 22 p. illus. O. 1933.

Darrow, G. M.
Strawberry culture: Eastern United States. U.S. Dept. Agr. Farm. Bull. 1028 rev. 36 p. illus. Jl. 1933.

Faris, J. A., Tapke, V. F. & Rodenhiser, H. A.
Wheat smuts and their control. U. S.Dept. Agr. Farm. Bull. 1711. 16 p. illus. O.1933.

Kinman, C. F.
Olive growing in the Southwestern United States. U.S. Dept. Agr.,Farm. Bull. 1249 rev. 35 p. illus. Ag.1933.

Vestník Českosl. Akad. Zeměd. (Prague) (19.50332)
Chmelař, F. & Mostovoj, K.
Rychlé laboratorní rozlišováni americké komonice alfa od komonice bilé krajové podle rústu při nepřetržitém osvětleni. (A quick laboratory method for distinguishing of American alpha sweet clover from the unimproved white sweet clover after their growth under permanent light). Věstník Ceskosl. Akad. Zeměd. 9: 510-515. illus. 1933. no.8/9.
English summary: p. 514-515.

Nikolič, N.
Přispěvek k otázce vzniku hlavních druhů ječmene. (Ein beitrag zur frage der entstehung der hauptgerstenarten). Vestník Českosl. Akad. Zeměd. 9: 505-507. 1933. no.8/9.
German summary: p.506-507.

Vierteljahrsschr. Naturf. Ges. Zurich. (508Z8)
Däniker, A. U.
Ergebnisse der reise von Dr. A.U.Däniker nach Neu-Caledonien und den Loyalty-inseln (1924/6). 4. Katalog der pteridophyta und embryophyta siphonogama (fortz.) Vierteljahrsschr. Naturf. Ges, Zürich v.78, Beibl. 19. p.237-338. 1933.

Keller, R.
Neuere beobachtungen von fundorten schweizerischer alchemillen. Vierteljahrsschr. Naturf. Ges. Zürich 78: 41-65. Je.30, 1933. no.1/2.
Beiträge zur kenntnis der Schweizerflora. XXII.

Steiger, R.
Verzeichnis des wissenschaftlichen nachlasses von Johann Jakob Scheuchzer (1672-1733). Vierteljahrsschr. Naturf. Ges. Zürich Beibl. v.78, no.21. 75 p. illus. 1933.

Zentralbl. Bakt. Abt.I. (448.3C33)
Benedek, T. & Specht, G.
Mykologisch-bakteriologische untersuchungen über pilze und bakterien als symbionten in kerbtieren. Zentralbl. Bakt. Abt.I. 130: 74-90. illus. N.1, 1933. no.1/2.

Beyma thoe Kingma, F. H. van
Ein unbekanntes pathogenes Cephalosporium, Cephalosporium stühmeri Schmidt et van Beyma. Zentralbl. Bakt. Abt.I 130: 102-105. illus. N.1, 1933. no.1/2.

Der Züchter. (Berlin) (442.8Z8)
Bleier, H.
Cytologische untersuchungen an kartoffeln (Solanum). Der Züchter 5: 225-232. illus. O. 1933. no.10.
Sammelreferat.

Brieger, F.
Die bedeutung des maises als demonstrations- und versuchsmaterial für vererbungskurse. Der Züchter 5: 232-240. illus. O. 1933. no.10.

Emme, H. & Schablovskaja, M.
Beitrag zur frage der Morus-züchtung. Der Züchter 5: 222-225. O. 1933. no.10.
Sammelreferat und eigene beobachtungen.

Der Züchter (cont.)

Ufer, M.

Untersuchungen über die den samenansatz der luzerne beeinflussenden klimatischen faktoren. Der Züchter 5: 217-221. O. 1933. no.10.

Exp. Stat. Publ.

Brown, B. A.

Effect of fertilizers on the botanical and chemical composition of the vegetation in permanent pastures. Connecticut (Storrs) Agr. Exp. Stat. Bull. 187. 54 p. illus. Jl.1933 (100C76S

Pasture investigations (Third report)

Wilson, J. D. & Runnels, H. A.

Some effects of Bordeaux mixture on transpiration. Ohio Agr. Exp. Stat. Bimonth. Bull. 18: 147-151. illus. N./D. 1933 (1000h3S) no.165.

State Publications.

Adams, J. F.

Report of the plant pathologist, 1932/33. Quart. Bull. State Bd. Agr. Delaware 23(3): 35-42. illus. 1933 (2D37B)

New Books.

Decker, S.

Lebensbilder aus der flora brasiliens. São Leopoldo, Rotermund & Co., 1932 (457.2D35)

Reprints from publications not yet rec'd or not available)

Geiser, S. W.

Naturalists of the frontier XI. In defense of Jean Louis Berlandier. From Southwest Rev. 18: 431-459. Jl. 1933 (119G27)

Non-current indexing.

Glasnik Bot. Zavoda i Bashte Univ. Beogradu. (Bull. Inst. & Jard. Bot. Univ. Beograd) (Belgrad) (451B412)

Ćernjavski, P.

Beitrag zur postglazialen geschichte des Blacesees in Serbien. Glasnik Bot. Zavoda i Bashte Univ. Beogradu (Bull. Inst. & Jard. Bot. Univ. Beograd) 2: 80-9-. illus. [1932?]

Dergane, L.

Primula auricula L. var. serratofolia Roch. in Nordostserbien und im Banat und Primula palimuri Pet. Glasnik Bot. Zavoda i Bashte Univ. Beogradu (Bull. Inst. & Jard. Bot. Univ. Beograd) 2: 72-79. [1932?] no.1/2.

Non-current indexing. (cont.)

Glasnik Bot. Zavoda i Bashte Univ. Beogradu (Bull. Inst. & Jard. Bot. Univ. Beograd) (cont.)

Blišić, L. M.
Zur entwicklungsgeschite von Lathraea squamaria L. Glasnik Bot. Zavoda i Bashte Univ. Beogradu (Bull. Inst. & Jard. Bot. Univ. Beograd) 2: 20-56. illus. [1932?] no.1/2.

Košanin, N.
Das vorkommen von Damasonium bourgaei Coss. an den ufern des Prespaseesin Südserbien. Glasnik Bot. Zavoda i Bashte Univ. Beogradu(Bull. Inst. & Jard. Bot. Univ. Beograd) 2: 126-127. illus. [1932?] no.1/2.

Lindtner, V.
Battarrea phalloides (Dicks.) Pers. aus Südserbien. Glasnik Bot. Zavoda i Bashte Univ. Beogradu (Bull. Inst. & Jard. Bot. Univ. Beograd) 2: 104-105. illus. [1932?] no.1/2.

Malý, K.
Ein beitrag zur kenntnis einiger Pedicularis-sippen Illyriens. Glasnik Bot. Zavoda i Bashte Univ. Beogradu (Bull. Inst. & Jard. Bot. Univ. Beograd) 2: 94-103. illus. [1932?] no.1/2.

Malý, K.
Carduus illyricus. Glasnik Bot. Zavoda i Bashte Univ. Beogradu (Bull. Inst. & Jard. Bot. Univ. Beograd) 2: 57-58. pl. i. [1932?]

Malý, K.
Carices de Balkanhalbinsel. Glasnik Bot. Zavoda i Bashte Univ. Beogradu (Bull. Inst. & Jard. Bot. Univ. Beograd) 2: 59-66. [1932?] no.1/2.

Ronniger, K.
Zur flora Südserbiens. Glasnik Bot. Zavoda i Bashte Univ. Belgradu (Bull. Inst. & Jard. Bot. Univ. Beograd) 2: 67-71. [1932?] no.1/2.
Thymus-belege aus den herbar der Universität Beograd, welche für Hayek's "Prodromus" verwendung fanden.

Non-current indexing. (cont.)

Magyar Bot. Lap. (Budapest) (450M272)

Bornmüller, J.

Neue und kritische Sideritis-arten (Sectio Empedoclea) der vorderasiatischen flora. Magyar Bot. Lap. 31: 127-143. 1932. no.1/12.

Degen, A.

Hugo Lojka 1845-1887. Ein blatt der erinnerung. Magyar Bot. Lap. 31: 61-66. pl. (port.) 1933. no.1/12

Degen, A.

Magyarországnak egy új gyomnövénye. Ueber ein neues unkraut in Ungarn). Magyar Bot. Lap. 31: 146:148. 1932. no.1/12.

Galinsoga hispida.

Gáyer, G.

Phytographische notizen. Magyar Bot. Lap. 31: 44-46. 1932. no.1/12.

Doronicum caucasicum x hungaricum, Symphytum tuberosum L.f. (mutatio) pseudobulbosum, Salix herbacea x serpyllifolia.

Gyelnik, V.

Lichenes suecici novi. Magyar Bot. Lap. 31: 46-47. 1932. no.1/12.

Lengyel, G. & Zahn, K. H.

Beiträge zur kenntnis der hieracien Ungarns und der Balkanländer. IX. Magyar Bot.Lap. 31: 1-33. 1932. no.1/12.

Moesz, G. v.

Neue pilze aus Lettland. II. Magyar Bot. Lap. 31: 37-43. illus. 1932. no.1/12.

Murr, J.

Die xerothermen relikte unseren alpentäler und die alpinisierten xerothermen. Magyar Bot. Lap. 31: 51-54. 1932. no.1/12.

Rossi, L.

Ueber Osmunda regalis L.in Süd-Kroatien. Magyar Bot. Lap. 31: 33-36. 1932. no.1/12.

Non-current indexing (cont.)

Magyar Bot. Lap. (cont.)

Szatala, O.

Lojka Hugó hagyatékának zuzmói. (Lichenes a divo H. Lojka relictae). Magyar Bot.Lap. 31: 67-126. 1932. no.1/12.

Szepesfalvi, J.

Adatok Bulgaria mohaflórájához. (Ein kleiner beitrag zur moosflora von Bulgarien). Magyar Bot. Lap. 31: 47-51. 1932. no.1/12.

Szepesfalvi, J.

Additions à la flore bryologique de l'Alfrique septentrionale. Mousses recueillis par Mr. le Baron Dr. G. de Andréanszky. Magyar Bot. Lap. 31: 143-146. 1932. no.1/12.

Wagner, J.

Hárstanulmányok. (Lindenstudien) V. Magyar Bot. Lap. 31: 55-60. 1932. no.1/12.

Mitt. Bot. Inst. Techn. Hochsch. Wien.

Höhnel, F. v.

Mycologische beiträge 3-7. Aus den nachgelassenen schriften hrsg. von J. Weese. Mitt. Bot. Inst. Techn. Hochsch. Wien 8: 1-28, 33-40, 81-97. 1931; 9: 1-11, 42-46. 1932.

Weese, J.

Beiträge zur uredineen-flora von Mähren und Schlesien. Mitt. Bot. Inst.Techn.Hochsch. Wien 9: 33-42. 1932. no.2.

Weese, J.

Eumycetes selecti exsiccati 20.-23. lfg. Mitt. Bot. Inst. Tech. Hochsch. Wien 8: 29-32, 41-45, 46-58, 1931; 9: 12-21, 25-32, 48-53. 1932.

Weese, J.

Ueber den nadelschüttepilz von Pinus strobus. Mitt. Bot. Inst. Techn. Hochsch. Wien 9: 22-24. 1932. no.1.

Weese, J.

Ueber Kriegeriella transiens Höhnel. Mitt. Bot. Inst. Techn. Hochsch. Wien 8: 79-80. 1931. no.2.

Non-current indexing. (cont.)

Mitt. Bot. Inst. Techn. Hochsch. Wien (cont.)
Weese, J.
Verzeichnis der in den mykologischen nachlassschriften von Franz v. Höhnel veröffentlichten neuen arten und gattungen. Mitt. Bot. Inst. Techn. Hochsch. Wien 9: 54-65. 1932.

Weese, J.
Verzeichnis der mykologischen schriften von Franz v. Höhnel. Mitt. Bot. Inst. Techn. Hochsch. Wien 8: 59-78. 1931; 9: 47. 1932. no.2,2.

Mitt. Phytopath. Versuchsstat. Univ. Tartu. (464.9T17)
Lepik, E.
Metsanduslikke taimekaitse küsimusi (Einige forstliche pflanzenschutz-fragen in Estland). Mitt. Phytopath. Versuchsst. Univ. Tartu no.12. 12 p. illus. 1932.
German summary: p.12.
1. Ueber einige ausländische baumkrankheiten, die in Estland noch nicht vorkommen. 2. Ueber gesetzliche ausrottung des sauerdornes und kreuzdornes. 3. Ueber rostkrankheiten der keifern.

Mycol. Circ. Tanganyiak Dept. Agr. (464.9T15C)
Welsford, E. J.
Coconut bud rot. Danger of its appearance in Tanganyika territory. Mycol. Circ. Tanganyika Dept. Agr. 1. 2 p. My.16, 1932.
Bud rot, coconut wilt, gummosis and nut fall.

Welsford, E. J.
Diseases of native food crops. I. Cereals. Mycol. Circ. Tanganyika Dept. Agr. 2. 4 p. My.14, 1932.

Welsford, E. J.
Diseases of simsim (Sesamum indicum L.) Mycol. Circ. Tanganyika Dept. Agr. 3. 4 p. 0.1932.

Non-current indexing. (cont.)

Scripta Horti Bot. Univ. Vytauti Magni (Kaunas) (451K16)

Dagys, J.

Medžiaga Lietuvos florai pažinti. 2. Apaščios upés pievos (Die wiesen des flusses Apaščia). Scripta Horti Bot. Univ. Vytauti Magni 2: 77-217. fold.map. 1932.

Regel, C.

Fontes florae Lituanae. II. Scripta Horti Bot. Univ. Vytauti Magni 2: 5-71. pl. 1-3. 1932.

Regel, C.

Medžiaga Lietuvós florai pažinti. 1. Die vegetationsverhältnisse an der meteliai seengruppe. Scripta Horti Bot. Univ. Vytauti Magni 1: 326-367. 1931.

Regel, C.

Miscellanea ex Rossia septentrionali botanica. Scripta Horti Bot. Univ. Vytauti Magni 2: 221-230. 1932.

Beiträge zur moosflora von nord Rusland: p.224-230.

Valt. Maatutkim. Agrogeol. Julkais. (Bull. Agrogeol. Inst. Finland) (Helsingfors) (56.9F49)

Kivinen, E.

Sphagnum-lajien reaktiosta (Ueber die reaktion der Sphagnum-arten). Valt. Maatutkim. Agrogeol. Julkais. (Bull. Agrogeol. Inst. Finland) no.33. 27 p. 1932.

Finnish with German summary.

Vestnik Dal'nev. Filiala Akad. Nauk S.S.S.R. (Bull. Farn. East.Br.Acad.Sci.U.S.S.R.) (511V343)

Marakuev, A. V.

Zhen'shen v nauchnoĭ i populiarnoĭ literature (1596-1932 g.g.)(A digest of the literature of ginseng (1596-1932). Vestnik Dal'nev. Filiala Akad. Nauk S.S.S.R. (Bull. Far East. Br. Acad. Sci. U.S.S.R.) 1932: 37-47.

Russian with English summary.

LC

BOTANY

CURRENT LITERATURE

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY.
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D.C.

LIBRARY
RECEIVED
★ DEC [illegible]
U.S. Department of Agriculture

Vol. 15, no. 25. Dec.2-16, 1933.

Acta Bot. Fenn. (Helsingfors) (451H36A)

Cedercreutz, C.
Vergleichende studien über die laubwiesen im westlichen und östlichen Nyland. Acta Bot. Fenn. 10: 1-63. illus. (maps) 1931.

Collander, R. & Bärlund, H.
Permeabilitätsstudien an Chara ceratophylla. II. Die permeabilität für nichtelektrolyte. Acta Bot. Fenn. 11: 1-114. illus. 1933.

Acta Phytotaxon. & Geobot. Kyoto (450Ac83)

Hemmi, T. & Kurata, S.
Miscellaneous notes on Japanese fungi. I. Acta Phytotaxon. & Geobot. Kyoto 2: 109-117. illus. Mr.1933. no.2.

Kitamura, S.
Compositae novae japonicae II-VI. Acta Phytotaxon. & Geobot. Kyoto Japan 1: 56-59, 145-155. Ap., Je. 1932; 2: 37-51, 118-129, 171-188. F., Mr.,S. 1933. no.1,2; 1,2,3.

Kitamura, S.
An enumeration of compositae of Formosa. I. Acta Phytotaxon. & Geobot. Kyoto 1: 277-296. D. 1932. no.4.

Koidzumi, G.
The classification synopsis of the Mastigophyta. Acta Phytotaxon. & Geobot. Kyoto 2: 1-13. F.1933. no.1.
Japanese.

Acta Phytotazon. & Geobot. Kyoto (cont.).

Koidzumi, G.
Contributiones ad cognitionem florae Asiae orientalis. (cont.) Acta Phytotazon. & Geobot. Kyoto 1: 11-33, 164-176. Ap., Je. 1932. no.1,2.

Koidzumi, G.
[Damnacanthus]. Acta Phytotaxon. & Geobot. Kyoto 2: 224-226. S.1933. no.3.
Japanese with Latin diagnosis of new species (D. moniliformis)

Koidzumi, G.
The early history of European botanical observations on the flora of Japan 1: 1-10. Ap.1932. no.1.
Japanese.

Koidzumi, G.
[A new species of Euphrasia] Acta Phytotaxon. & Geobot. Kyoto 2: 59-60. F.1933. no.1.
Japanese with Latin diagnosis, E. microphylla.

Koidzumi, G.
Plantae japonicae rarissimae vel dubiae. Acta Phytotaxon. & Geobot. Kyoto 1: 225-233. illus. S.1932. no.3.
Japanese.

Koidzumi, G.
Prunus yedoensis Matsum. is a native of Quelpaert! Acta Phytotaxon. & Geobot. Kyoto 1: 177-183. illus. Je.1932. no.2.
Japanese.

Koidzumi, G.
The Tokara channel as the floristic demarcation. line. Acta Phytotaxon. & Geobot. Kyoto 1:183-188. Je. 1932. no.2.

Koidzumi, G.
[Two new species of plants]. Acta Phytotaxon. & Geobot. Kyoto 2: 136-137. Mr.1933. no.2.
Japanese with Latin diagnoses (Astilbe sikokumontana, Geum iyoanum)

Morita, H.
Chronological distribution of fossil Aralia and a new species from Japanese neogene. Acta Phytotaxon. & Geobot. Kyoto 2: 93-101. illus. Mr. 1933. no.2.
Japanese.

Acta Phytotaxon. & Geobot. Kyoto (cont.)

Ohwi, J.
Florula shikotanensis. Acta Phytotaxon. & Geobot. Kyoto, Japan. 1: 34-55, 111-131. Ap., Je. 1932. no.1,2.
Japanese.

Ohwi, J.
Mitella of Japan. Acta Phytotaxon. & Geobot. Kyoto, Japan. 1: 61-64. Ap.1932. no.1.
M. obconica n.sp.

Ohwi, J.
Symbolae ad floram Asiae orientalis. 4-9. Acta Phytotaxon. & Geobot. Kyoto 1: 66-81, 140-144, 297-305. Ap., Je., D.1932; 2: 25-36, 102-108, 149-170. F., Mr., S. 1933. no.1,2,4; 1,2,3.

Oishi, S.
On the fossil Dipteridaceae. Acta Phytotaxon. & Geobot. Kyoto 1: 132-139. illus. Je.1932. no.2.

Tagawa, M.
Spicilegium pteridographiae Asiae orientalis. I. Acta Phytotaxon. & Geobot. Kyoto, Japan 1: 88-91, 156-161, 306-313. Ap., Je., D. 1932; 2: 14-24, 189-205. F., S. 1933. no.1,2,4; 1,3.

Tatewaki, M.
Alpine flora of Mt. Horo-nupuri, Kitami Ranges, Hokkaido, Japan. Acta Phytotaxon. & Geobot. Kyoto Japan 2: 86-92. Mr.1933. no.2.

Tatewaki, M. & Kimoto, U.
Florula of the Island of Kaibato (Todomoshiri). Acta Phytotaxon. & Geobot Kyoto Japan 1: 234-252, illus. S.1932. no.3.

Teruya, Z.
On the stag-horned variety of Drymoglossum piloselloides Presl. Acta Phytotaxon. & Geobot. Kyoto 1: 197-200. illus. Je.1932. no.2.
Japanese with English resume.

Uyeki, H.
Cupuliferae novae koreanae. Acta Phytotaxon. & Geobot. Kyoto Japan 1: 253-257. illus. S.1932. no.3.
New species and varieties of Quercus.

Acta Phytotaxon. & Beobot. Kyoto (cont.)

Uyeki, H.

On the forest zones of Korea. Acta Phytotaxon. & Beobot. Kyoto 2: 73-85. illus. (maps) Mr. 1933. no.2.

Japanese.

Agron. Colon. (Paris) (26Ag812)

Ammann, P.

Huile d'Aleurites fordii de Madagascar. Agron. Colon. 22: 97-102. 3 pl. O. 1933. no.190.

Amer. Fern Journ. (450Am35)

Cota, F. M.

Further notes on the pteridophytes of San Diego county, California. Amer. Fern Journ. 23: 77-83. Jl./S. 1933. no.3.

House, H. D.

Concerning Osmunda cinnamomea f. frondosa. Amer. Fern Journ. 23: 95-96. Jl./S. 1933. no.3.

"Frondosa" form caused by injury due to road tar.

Kull, B.

An extreme phase of Osmunda cinnamomea, forma auriculata. Amer. Fern Journ. 23: 96-98. pl.5. Jl./S.1933. no.3.

Little, E. H., jr.

Isoetes melanopoda in the Wichita mountains, Oklahoma. Amer. Fern Journ. 23: 94-95. Jl./S. 1933. no.3.

Little, E. L., jr.

The pteridophytes of Muskogee county, Oklahoma. Amer. Fern Journ. 23: 91-93. Jl./S. 1933. no.3.

Maxon, W. R.

New tropical American ferns. X. Amer. Fern Journ. 23: 73-76. Jl./S. 1933. no.3.

Schaffner, J. H.

Six interesting characters of sporadic occurrence in Equisetum. Amer. Fern Journ. 23: 83-90. Pl.4. Jl./S.1933. no.3.

Waters, C. E.

Polypodium vulgare (?) churchiae. Amer. Fern Journ. 23: 93-94. Jl./S. 1933. no.3.

Analyst (London) (382Anl)
Rendle, T.
Observations on changes in raspberries after picking. Analyst 58: 69-77. F. 1933. no.683.

Angew. Bot. (Berlin) (450An4)
Appel, G. O.
Zur kenntnis des entwicklungsverlaufes einiger wiesenunkraüter. Angew. Bot. 15: 433-479. S./O. 1933. no.5.

Moritz, O. & Bockmann, H.
Einleitende studien über Cercosporella herpotrichoides Fron. Angew. Bot. 15: 409-419. illus. S./O. 1933. no.5.

Wieler, A.
Rauchsäuren als bodenzerstörender faktor. Angew. Bot. 15: 419-433. illus. S./O. 1933. no.5.

Ann. Naturh. Mus. Wien(410.9V672)
Ergebnisse der Oesterreichischen biologischen Costa-Rica expedition 1930. II. Ann. Naturh. Mus. Wien 46: 225-241. 1933.
1. Typhaceae, G. Cufodontis. 2. Gramineae, A. Chase. 3. Palmae, M. Burret. 4. Araceae, K. Krause. 5. Pontederiaceae, 6. Marantaceae, G. Cufodontis. 7. Orchidaceae, O. Ames. 8. Campanulaceae (Lobelioideae), F. E. Wimmer.

Keissler, C.
Schedae ad "Kryptogames exsiccatas" editae a Museo historiae naturalis Vindobonensis (olim Museum Palatinum) Cent. XXXII. Ann. Naturh. Mus. Wien 46: 201-223. 1933.

Servit, M.
Bearbeitung der von K.H. Rechinger (fil.) im jahre 1927 auf den Agäischen Inseln gesammelten flechten. Ann. Naturh. Mus. Wien 46: 77-90. illus. 1933(D.1931)

Ann. Crypt. Exot. (Paris) (450An74)
Arsène, G.
Hépatiques du Nouveaux-Mexique (U.S.A.) déterminées par Miss Caroline Coventry Haynes. Ann. Crypt. Exot. 6: 150-160. S.1933. no.2.

Ann. Crypt. Exot. (cont.)
Bouly de Lesdain, M.
Lichens du Mexique recueillis par les Fréres G.Arsène et Amable Saint-Pierre. III. Ann. Crypt. Exot. 6: 99-130. S.1933. no.2.

Heim, R.
Observations systématiques et anatomiques sur quelques champignons africains. I-II. Ann. Crypt. Exot. 6: 131-149. illus. pl. ix. S.1933. no.2.
I. Champignons recueillis par les missions Aug. Chevalier en Afrique Occidentale. II. Champignons nouveaux pour le Congo Belge.

Redinger, K.
Alexander Zahlbruckner zum goldenen doktor-jubiläum. Ann. Crypt. Exot. 6: 85-98. pl. viii. (port.) S.1933. no.2.

Ann. Gembloux (Brussels) (13G28)
Marchal, E.
Le problème de l'immunité en pathologie végétale. Ann. Gembloux 39: 381-395. N.1933. no.11.

Ann. Inst. Nat. Agron. (Paris) (105.3In8)
Viala, P. & Marsais, P.
Un parasite du mildiou de la vigne (Trichothecium plasmoparae). Ann. Inst. Nat. Agron. 25: 39-65. illus. 1932.

Ann. Chim. Appl. (Roma) (385An7)
Soldi, A.
Comportamento dei principali estratti fluidi di piante medicinali alla luce di wood. Ann. Chim. Appl. 23: 455-462. col.pl. O.1933. no.10.

Ann. Tecn. Agr. (Rome) (16An73)
Pirovano, A.
Sulla eredità in Vitis vinifera. (cont.) Ann. Tecn. Agr. (Rome) 6: 521-555. N. 1933. no.5/6.

Ann. Appl. Biol. (London) (442.8An72)
Barton-Wright, E. & McBain, A.
Studies in the physiology of the virus diseases of the potato II-III. Ann. Appl. Biol. 20: 525-548, 549-589. N. 1933. no.4.
II. A comparison of the carbohydrate metabolism of normal with that of crinkle potatoes; together with some observations on carbohydrate metabolism in a "carrier" variety. III. A comparison of the nitrogen metabolism of normal with that of leaf-roll potatoes.

Ann. Appl. Biol. (cont.)

Groom, P.& Panisset, T.

Studies on Penicillium chrysogenum Thom, in relation to temperature and relative humidity of the air. Ann. Appl. Biol. 20: 633-660. N. 1933. no.4.

Sattar, A.

On the occurrence, perpetuation and control of gram (Cicer arietinum L.) blight caused by Ascochyta rabiei (Pass.) Labrousse, with special reference to Indian conditions. Ann. Appl. Biol. 20: 612-632. N. 1933. no.4.

Stoughton, R. H.

The influence of environmental conditions on the development of the angular leaf-spot disease of cotton. V. The influence of alternating and varying conditions on infection. Ann. Appl. Biol. 20: 590-611. N.1933. no.4.

Wilson, S. E.

Changes in the cell contents of wood (xylem parenchyma) and their relationships to the respiration of wood and its resistance to Lyctus attack and to fungal invasion. Ann. Appl. Biol. 20: 661-690. illus. N. 1933. no.4.

Ann. Rep. Dept. Agr. Jamaica (89J223)

Smith, F. E. V.

Plant diseases and pests. Ann. Rep. Dept. Agr. Jamaica 1932: 12-16. 1933.

Plant diseases in Jamaica in 1932: p.13-16.

Ann. Rep. Dept. Agr. Kenya (24Af8A)

McDonald, J.

Report of the senior mycologist. Ann. Rep. Dept. Agr. Kenya 1932: 124-134. 1933.

Ann. Rep. Dept. Agr. New Zealand (23N48)

Cunningham, G. H.

Mycology section. Ann. Rep. Dept. Agr. New Zeal. 1932/33: 44-47. 1933.

Arch. Pharm. & Ber. Deut. Pharm. Ges. (Berlin) (396.8Ar2A)

Dey, B. B. & Pillay, P. P.
Chemische untersuchung von Toddalia aculeata (Pers.) 1. Zwei neue alkaloide und ein neutraler kristalliner stoff aus der wurzelrinde von Toddalia aculeata. Arch. Pharm. & Ber. Deut. Pharm. Ges. 271: 477-485. N. 1933. no.8.
Toddalin, toddalinin.

Dey, B. B. & Lakshminarayanan, S.
Hedyotin ein alkaloid aus der wurzel von Hedyotis auricularia. Arch. Pharm. & Ber. Deut. Pharm. Ges. 271: 485-490. N. 1933. no.8.

Solacolu, T. & Welles, E.
Beitrage zur verbreitung von saponinen im pflanzenreich. Arch. Pharm. & Ber. Deut. Pharm. Ges. 271: 470-477. N. 1933. no.8.

Arch. Protistenk. (Jena) (439.8Ar2)

Milovidov, P. F.
Ergebnisse mit nuclealfarbung bei einigen niederen pflanzen. Arch. Protistenk. 81: 138-165. illus., col.pl.5-6. 1933. no.1.
Experiments with Olpidium brassicae, Plasmodiophora brassicae, Didymium nigripes and Fuligo septica.

Beih. Bot. Centralbl. Abt.II. (Dresden) (450B65B)

Blochwitz, A.
Die angebliche diökie (heterothallie) von Citromyces luteus und bastardierungs- versuche mit penicillien. Beih. Bot. Centralbl. Abt.II. 51: 299-302. N.1933. no.1.

Blochwitz, A.
Die emergenzen der schimmelpilz-konidien. Zweckmässigkeit oder zufall? Beih. Bot. Centralbl. Abt.II, 51: 303-304. N. 1933. no.1.

Eig, A.
A historical-phytosociological essay on Palestinian forests of Quercus aegilops L. ssp. ithaburensis (Desc.) in past and present. Beih. Bot. Centralbl. Abt.II, 51: 225-272. illus. N. 1933. no.1.

Krajina, V.
Die pflanzengesellschaften des Mlynica-Tales in den Vysoké Tatry (Hohe Tatra). Mit besonderer berücksichtigung der ökologischen verhältnisse. II. Beih. Bot. Centralbl. Abt.II, 51: 1-224. pl.i-iv. N.1933. no.1.

Beih. Bot. Centralbl. Abt.II. (cont.)
Zohary, M.
Neue beitrage zur kenntnis der flora Syriens. Beih. Bot. Centralbl. Abt.II, 51: 273-298. N. 1933. no.1.

Bergcultures (Batavia, Java) (22.5B45)
Heubel, G. Ad.
Het voorkomen en ontstaan van stikstofknobbeltjes in de bladeren van verschillende rubiaceeën en de eventueele beteekenis daarvan voor de cultures. Bergcultures 7: 1246-1249. illus. N.11, 1933. no.45.

Reyden, G. A.
Voorloopige mededeeling over Diplodia en takkenboeboek. Bergcultures 7: 1172-1179. illus. O.21, 1933. no.42.

Ber. Deut. Bot. Ges. (Berlin) (451D48)
Moritz, O.
Serol.gische untersuchungen an getreidebastarden Ber. Deut. Bot. Ges. 51(Generalversamml.-heft 1): (52)-(57). n.7, 1933.
Vorläufige mitteilung.

Mothes, K.
Die natürliche regulation des pflanzlichen eiweissstoffwechsels. Ber. Deut. Bot. Ges. 51 (Generalversamml.-heft 1): (31)-(46). N.7, 1933.

Schmidt, W.
Ueber tropismen von coniferenkeimlingen. Ber. Deut. Bot. Ges 51(Generalversamml.-heft 1): (58)-(60). N.7, 1933.

Wetzel, K.
Zur physiologie der anaeroben atmung höherer pflanzen. Ber. Deut. Bot. Ges. 51(Generalversamml.-heft 1): (46)-(51). N.7, 1933.
Experiments with Daucus carota.

Ber. Schweiz. Bot. Ges. (Zürich) (451Sch9)

Fischer, E.

Zur kenntnis der druchtkörperentwicklung der geastraceen. Ber. Schweiz. Bot. Ges. 42: 13-22. illus. Ap.1933. no.1.

Geasteropsis stahelii n.sp.

Frey-Wyssling, A.

Betrachtungen über die osmotischen zustandsgrössen. Ber. Schweiz. Bot. Ges. 42: 196-198. Ap. 1933. no.1.

Frey-Wyssling, A.

Ueber die physiologische bedeutung der extrafloralen nektarien von Hevea brasiliensis Müll. Ber. Schweiz Bot. Ges. 42: 109-122. illus., pl.9. Ap.1933. no.1.

Geiger-Huber, M.

Eine vereinfachte titrationsmethode zur bestimmung der kohlensaure bei gaswechselversuchen. Ber. Schweiz. Bot. Ges. 42: 190-195. illus. Ap.1933. no.1.

Jaag, O.

Botrydina vulgaris Bréb., eine lebensgemeinschaft von moosprototonemen und grünalgen. Ber. Schweiz. Bot. Ges. 42: 169-185. illus. Ap.1933. no.1.

Kauter, A.

Beiträge zur kenntnis des wurzelwachstums der gräser. Ber. Schweiz. Bot. Ges. 42: 37-108. pl.1-8. Ap.1933. no.1.

Kirchheimer, F.

Die thermische schädigung des pollens in den kohlen. Ber. Schweiz. Bot. Ges. 42: 23-30. illus. Ap.1933. no.1.

Koch, W.

Spirodela biperforata, eine neue teichlinse aus Surinam. Ber. Schweiz. Bot. Ges. 42: 186-189. illus. Ap.1933. no.1.

Leuthold, P.

Die aleuronkörner der Telfairia pedata Hook. Ber. Schweiz. Bot. Ges. 42: 31-36. illus. Ap. 1933. no.1.

Ber. Schweiz. Bot. Ges. (cont.)
Mayor, E.
Étude expérimentale des espèces du groupe de Puccinia sessilis Schneider. Ber. Schweiz. Bot. Ges. 42: 142-151. Ap.1933. no.1.

Riethmann, O.
Der einfluss der bodentemperatur auf das wachstum und die reifezeit der tomaten. Ber. Schweiz. Bot. Ges. 42: 152-168. Pl.10-11. Ap. 1933. no.1.

Rytz, W.
Neue standorte von gentianen aus der Schweiz. Ber. Schweiz. Bot. Ges. 42: 123-134. illus. (map) Ap. 1933. no.1.

[Bi͡ull.] Vses.Inst. Tabachn. Promyshl. Krasnodar (69.9K86)
Midish, M. N., Obermeister, N. P. Khudyna, I. P., Iagodkina, V. P. & Levykh, P. M.
Glavneishie bolezni tabaka i mery bor'by s nimi [Principal tobacco diseases and measures for combatting them]. [Bi͡ull.] Vses. Inst. Tabachn. Promyshl. Krasnodar no.94. 34 p. illus. 1933.
Russian.

Boll. R. Staz. Patol. Veg. Roma (Firenze) (464.9R662)
Curzi, M.
L'Ascochyta heteromorpha N.C. nella necrosi dell'oleandro e nell'inoculazione sperimentale. Boll. R. Staz. Patol. Veg. Roma n.s., 13: 380-426. illus., pl. xii-xxi. 1933. no.3.
English summary: p.421.

Rabinovitz Sereni, D.
Influenza del magnesio sull'accrescimento e sull'attività del Saccharomyces cerevisiae Hansen. Boll. R. Staz. Patol. Veg. Roma n.s. 13: 309-323. 1933. no.3.
English summary: p.322-323.

Rabinovitz Sereni, D.
Osservazioni sulla tossicità del magnesio per le piante superiori. Boll. R. Staz. Patol. Veg. Roma n.s., 13: 346-366. 1933. no.3.
English summary: p.365-366.

Boll. R. Staz. Patol. Veg. Roma (cont.)

Rabinovitz Sereni, D.

Sull'accrescimento di alcune tallofite in soluzioni contenenti fortissime dosi di magnesio. Boll. R. Staz. Patol. Veg. Roma. n.s. 13: 338-345. 1933. no.3.

Brief English summary: p. 345.

Rabinovitz Sereni, D.

Sulla sensibilità delle piante all'azione dell'acido ossalico e dei sali di magnesio. Boll. R. Staz. Patol. Veg. Roma n.s., 13: 367-379. 1933. no.3.

Brief English summary: p.378.

Sibilia, C.

Azione della polvere di calciocianamide sulla vegetazione. Boll. R. Staz. Patol. Veg. Roma n.s. 13: 324-337. illus. 1933. no.3.

Brief English summary: p.337.

Bot. Mag. Tokyo (450B651)

Emoto, Y.

Entwicklung der sporangien von myxomyceten. I. Ueber Ceratiomyxa fruticulosa und ihre varietäten. Bot. Mag. Tokyo 47: 721-729. illus. 0.1933. no.562.

Japanese with brief German summary: p.728.

Emoto, Y.

Myxomyceten des südlichen forstgebietes des berges Fuji. Bot. Mag. Tokyo 47: 657-661. S. 1933. no.561.

Japanese with brief summary: p.661.

Hiratsuka, N.

Inoculation experiments with heteroecious species of the Japanese rust fungi. Bot. Mag. Tokyo 47: 710-714. 0. 1933. no.562.

Kanehira, R.

New or noteworthy trees from Micronesia IV. Bot. Mag. Tokyo 47: 669-680. 0.1933. no.562.

Kosuge, S.

On the distribution of electric potential gradients in the root of Vicis faba. II. Bot. Mag. Tokyo 47: 640-656. S.1933. no.561.

Maekawa, F.

Alabastra diversa. II. Bot. Mag. Tokyo 47: 613-618. illus. S.1933. no.561

Includes Hugeria incisa n.sp., H. sinica (Vaccinium japonicum) H.lasiostemon (V. japonicum var. ciliare)

Bot.Mag. Tokyo (cont.)

Miki, S.

On the pleistocene flora in prov. Yamashiro with the descriptions of 3 new species and 1 new variety. Bot. Mag. Tokyo 47: 619-631. illus. pl. S. 1933. no.561.

Fagus microcarpa, Paliurus nipponicus, Trapa macropoda, n.spp., Sapium sebiferam var. pleistoceaca nov.

Tamai,T.& Koketsu, R.

Ueber das quantitative verhältnis zwischen dem spezifischen gewicht und dem spezifischen pulvergewicht und die zuverlässigkeit der pulvervolumen-messung mittels der methode nach Kôketsu. Bot. Mag. Tokyo 47: 632-639. S.1933. no.561.

Japanese with German summary: p.638-639.

Tatuno, S.

Geschlechtschromosomen bei einigen lebermoosen. III. Bot. Mag. Tokyo 47: 715-720. illus. O.1933. no.562.

Japanese with brief German summary: p.720.

Yuasa, A.

Studies in the cytology of Pteridophyta. III-IV. Bot. Mag. Tokyo 47: 681-696, 697-709. illus. O. 1933. no.562.

III. The morphology of spermatozoids in eight species of ferns. IV. On the spermatozoids of Selaginella, Isoetes and Salvinia.

Broteria Cienc. Nat. (410B79C)

Rick, J.

Monographia spaerialium astromaticorum riograndensium. (cont.) Broteria Cienc. Nat. 2: 169-201. N.1, 1933. no.4.

Torrend, C.

Contribuição para a flora das plantas vasculares da Baia (cont.) Broteria Cienc. Nat. 2: 149-168 N.1933. no.4.

Bryologist (Pittsburg) (450B34)

Brinkman, A. H.

Notes on Canadian hepatics. 3. Bryologist 36: 49-58. S.1933. no.5.

Graham, E. H.

Bryophytes of the Kartabo region, British Guiana. Bryologist 36: 59-67. illus. S.1933. no.5.

Bulet. Cult. şi Ferm. Tutun. (Bull. Inst. Cult. & Ferm. Tabac.) (Bucurest) (69.8B89)

Kostoff, D., Kendall, J. & Vassiliev, B.

A polysomic F1 (Nicotiana langsdorffii x N. sanderae) plant and its progeny. Bulet. Cult. şi Ferm. Tutun. (Bull. Inst. Cult. & Ferm. Tabac.) 23: 253-269. pl. Jl./S.1933. no.3.

Stefan, N.

Puterea de absorbţie şi caracterele morfologice la cateva elite din varietaţile de tutun Ghimpati şi Molovata. (La puissance d'absorption et les caractères morphologiques de quelques élites des variétés de tabac Ghimpatzi et Molovata) Bulet. Cult. şi Ferm. Tutun. (Bull. Inst. Cult. & Ferm. Tabac.) 22: 151-195. Ap./Je. 1933. no.2.

French résumé: p.194-195.

Bull. Bern. P. Bishop Mus. (Honolulu) (500B45B)

Bartram, E. B.

Manual of Hawaiian mosses. Bull. Bern. P. Bishop Mus. no.101. 275 p. illus. Je.1933.

Moore, J. W.

New and critical plants from Raiatea. Bull. Bern. P. Bishop Mus. no.102. 53 p. 1933.

Yuncker, T. G.

Revision of the Hawaiian species of Peperomia Bull. Bern. P. Bishop Mus. no.112. 131 p. illus. 1933.

Bull. Cl. Sci. Acad. Roy. Belg. (Bruxelles) (504B83B)

Buillenne, Mme. M. (Walrand) & Bouillenne, R.

Les sucres solubles dans Mercurialis perennis L. Bull. Cl. Sci. Acad. Roy. Belg. V, 19: 849-866. 1933. no.7.

Hauman, L.

Esquisse de la végétation des hautes altitudes sur le Ruwenzori. II. Bull. Cl. Sci. Acad. Roy. Belg. V, 19: 702-717. 1933. no.7.

Bull. Imp. Bur. Plant Gen. (Herb. Plants)

Klinkowski, M.

Lucerne: Its ecological position and distribution in the world. Bull. Imp. Bur. Plant Gen. (Herb. Plants) 12. 62 p. illus. (maps), pl. N.1933.

Bull. Soc. Fribourg. Sci. Nat.

Savoy, H.

L'activité scientifique du Dr. Firmin Jaquet, botaniste. Bull. Soc. Fribourg. Sci. Nat. 31: 196-213. port. (front.) 1933.

Bull. Torr. Club (451T63B)

Backus, M. P.

The development of the ascus and the occurrence of giant ascospores in Coccomyces hiemalis. Bull. Torr. Club 60: 611-632. illus., pl.29-32. D. 1933. no.9.

Merrill, E. D.

On Poa malabarica Linnaeus. Bull. Torr. Club 60: 633-638. D. 1933. no.9.

Diplachne malabarica comb.nov.

Smith, L. B.

Spathuliformae, a new section of Codonanthe. Bull. Torr. Club 60: 657-658. illus. D.1933. no.9.

C. bipartita.

Yampolsky, C.

Sex and chromosomes in plants. Bull. Torr. Club 60: 639-655. illus. D.1933. no.9.

Bult. Sci. Fak. Terkult. Knuŝu Imp.Univ. (J107.6K995B)

Fukaki, S.

Untersuchungen über die bestockung der reispflanzen (Oryza sativa). Einfluss der acidität und konzentration der nährlösung und der form der stickstoffhaltigen salze in derselben auf die bestockung bei der wasserkultur. Bult. Sci. Fak. Terkult. Knusu Imp. Univ. 5: 337-351. S.1933. no.4.

Kôketsu, R., Fujita, T. & Hanada, K.

Zum beweis der eignung der Kôketsu'schen pulvermethode durch vergleich der täglichen veränderung des gewichtes und pulvervolumens der trockensubstanz in den blättern. I. Durch die anwendung der einheit aschengehalt als standard-wert zum vergleich. Bult. Sci. Fak. Terkult. Knusu Imp. Univ. 5: 369-385. S.1933. no.4.

Japanese with German summary.

Cactus & Succ. Journ. (Los Angeles) (451C11)

Britton, N. L.

An undescribed cactus of Culebra Island, Puerto Rico. Cactus & Succ. Journ. 5:469. illus. N.1933. no.5.

Leptocereus grantianus, sp.nov.

Cactus & Succ. Journ. (cont.)

Smith, A.

What grows where. Cacti listed in accordance with their geographical origin. Compiled and copyright for Mrs. John D. Wright, Santa Barbara, Calif., 1933. (cont.) Cactus & Succ. Journ. 5: 477-479. N.1933. no.5.

Walther, E.

Gastrolirion. Another bigeneric hybrid. Cactus & Succ. Journ. 5: 467-468. illus. N. 1933. no.5.

G. orpetii, n.gen., n.sp. Hybrid between Chortolirion and Gasteria.

Canad. Journ. Res. (Ottawa) (330.9C16C)

Manske, R. H. F.

The alkaloids of fumariaceous plants. VIII. Corydalis aurea, Willd., and the constitution of bicucine. Canad. Journ. Res. 9: 436-442. N. 1933. no.5.

Pady, S. M.

Teliospore development in the Pucciniastreae. Canad. Journ. Res. 9: 458-485. illus. N.1933. no.5.

La Cellule. (Lierre, Belgium) (442.8C33)

Doutreligne, J.

Chromosomes et nucléoles dans les noyaux du type euchromocentrique. La Cellule 42: 29-100. vii pl. (pt.col.) 1933.

Gerassimova, H.

Fertilization in Crepis capillaris. La Cellule 42: 101-148. iv pl. 1933. no.1.

Jungers, V.

Recherches sur les plasmodesmes chez les végétaux II. Les synapses des algues rouges. La Cellule 42: 1-28. ii pl. 1933. no.1.

China Journ. (Shanghai) (475C44)

Porterfield, W. M.

Lawn and roadside plants of Shanghai. (concl.) China Journ. 19: 259-267. illus. N.1933. no.5.

Coll. Trav. Chim. Tchécosl. (Prague) (385C68)

Votoček, E. & Zvoniček, J.

Notices phytochimiques. II. Sur les glucides de quelques duvets végétaux. Coll. Trav. Chim. Tchécosl. 5: 448-456. 1933. no.9/10.

Compt. Rend. Congr. Intern. Mais, Pau, 1930.

Andronescu, D. I.

La culture et la sélection du mais en Roumanie. Compt. Rend. Congr. Intern. Mais, Pau, 1930, 1: 237-254. illus. 1933.

Grabner, E.

La production du maïs et les variétés sélectionnées du mais hongrois. Compt. Rend. Congr. Intern. Mais, Pau, 1930. 1: 195-215. illus. 1933.

Succi, A.

Le maïs nain prococe comment il fut obtenu et comment on le maintient. Compt. Rend. Congr. Intern. Mais, Pau, 1930, 1: 125-155. illus. 1933.

Tavcar , A.

La mais huit rangs dans la création d'hybrides productifs. Compt. Rend. Congr. Intern. Mais, Pau, 1930, 1: 217-224. illus. 1933.

Tavcar, A.

Plantes de maïs a feuillage décussé. Compt. Rend. Congr. Intern. Mais, Pau, 1930, 1: 225-234. illus. 1933.

Compt. Rend. Soc. Biol. Paris (442.9P21)

Genevois, L. & Radoeff, A.

Recherches sur la croissance des végétaux supérieurs dans le vide. Compt. Rend. Soc. Biol. Paris 114: 695-696. 1933. no.33.

Rice and wheat.

Grassé, P. P. & Poisson, R.

Nouvelles observations sur la cytologie des euglènes. Compt. Rend. Soc. Biol. Paris 114: 662-666. illus. 1933. no.33.

Reti, L.

Sur les alcaloïdes de la cactacée Trichocereus candicans (Br. et Rose). Compt. Rend. Soc. Biol. Paris 114: 811-814. 1933. no.34.

Contr. U. S. Nat. Herb. (Washington)

Morton, C. V.

The Mexican and Central American species of Viburnum. Contr. U.S. Nat. Herb. 26: 339-366. 1933(Rec'd N.27) no.7.

Desert (Pasadena) (450D45)
Bartholomew, E. T.
Succulence in land plants. Desert (Pasadena) 5: 115-117. D.1933. no.8.

Deut. Landw. Presse (Berlin) (18D482)
Oettingen, H.
Wesen und bedeutung der "iarowisation". I-II. Deut. Landw. Presse 60: 581, 595. N.18,25, 1933. no.46, 47.

Dokl. Akad. Nauk SSSR(Compt. Rend. Acad. Sci. URSS) (511P444)
Imshenetski, A. A. & Kriss, A. E.
Materially k izuchenii͡u nesovershennykh gribov (Matériaux pour l'étude des fungi imperfecti). I. Un nouveau champignon, le Mastigomyces philippovi (nov.gen., nov.sp.) trouvé sur les fruits de Terminalis chebula. Dokl. Akad. Nauk SSSR (Compt. Rend. Acad. Sci. URSS) 1933, A: 111-116. iii pl. no.7.
Russian with German summary.

Facts about Sugar (N.Y.) (65.8F11)
Wantuchowski, J.
Cercospora beticola: Its influence on beet experimentation and breeding. Facts about Sugar 28: 455-457. D.1933. no.12.
Importance of using disease resistant variety as trial standard emphasized by work of Polish breeding station.

Flor. Exch. (N.Y.) (80F666)
Bissland, J. H.
The causes for plant name confusion. Flor. Exch. 81(48): 11, 21. D.2,1933.

Formosan Agr. Rev. (J22.5F76)
Jio, K.
List of varieties of Formosa rice plant in Romanised Formosa vernacular. (cont.) Formosan Agr. Rev. 1933: 1094-1103. N.1933. no.324.

De Fruitteelt. (Arnhem)
Banga, O.
Ziekteverschijnselen bij appels tijdens het bewaren. De Fruitteelt 23: 177-194. illus. N.1933. no.11.

Gard. Bull. Straits Settlem. (Singapore)
Carr, C. E.
The genus Taeniophyllum in the Malay Peninsula. Gard. Bull. Straits Settlem. 7: 61-86. pl.6-14. S.15, 1932, no.1.

Carr, C. E.
Some Malayan orchids. III. Gard. Bull. Straits Settlem. 7: 1-59. pl. 1-5. S.15, 1932. no.1.

Gard. Chron. (London) (80G162)
Cocker, H. R.
Leonotis leonurus. Gard. Chron. III, 94: 398. N.25, 1933. no.2448.

Morgan, L. E.
The horticultural treatment of thoroughfares. (cont.) Gard. Chron. III, 94: 384-385, 402-403. N.18,25, 1933. no.2447-2448.

Wales, N.
Some dwarf Ericaceae in spring. Gard. Chron. III, 94: 380-381. N.18, 1933. no.2447.

Ward, F. K.
Mr. F. Kingdon Ward's eleventh expedition in Asia. XLII. We reach camp again. Gard. Chron. III, 94: 400-401. illus. N.25, 1933. no.2448.

Gard. Chron. Amer. (80G1632)
Rankin, W. H.
Outbreak of the Dutch elm disease. Gard. Chron. Amer. 37: 343-344. D. 1933. no.12.

Gartenw. (Berlin) (80G196)
Becker, K.
Welche gehölze für die geplanten autostrassen? Gartenw. 37: 564-565. N.17, 1933. no.46.
Refers to his article "Bepflanzung der autobahnen" in no. 10 Zeitschrift "Die autobahn".

Hoosier Hort. (Lafayette, Ind.) (81In2H)
McGown, M. & Baines, R. C.
Treating a serious canker injury which has appeared in Indiana orchards. Hoosier Hort. 15: 168-170. D.1933. no.12.
"The injury is easily confused with so-called "collar rot" ... However, the fire blight organism, Bacillus has been isolated from margins of cankers...

Indian For. (Dehra Dun) (99.8In2)
Krishnan, E. K.
Control of Lantana: A suggestion. Indian For. 19: 712-713. N. 1933. no.11.

Parkinson, C. E.
A new Burmese bamboo. Indian For. 19: 707-709. pl.34. N.1933. no.11.
Dendrochloa distans (n.gen., n.sp.)

Intern. Bull. Plant Prot. (464.8In8)
Patel, M. K.
India: Diseases in the Bombay Presidency. Intern. Bull. Plant Prot. 7: 246. N.1933. no.11.

Stevens, N. E.
United States of America: Recent increase in root knot. Intern. Bull. Plant Prot. 7: 245-246. N. 1933. no.11.

Intern. Rev. Agr. (Rome) (241In82)
Gescher, N. v.
Vernalization: A new method of shortening the vegetative period of plant. Intern. Rev. Agr. 24(T): 410-416. O. 1933. no.10.

Ital. Agr. (Milan) (16Itl)
Castellani, E.
La rizottonia della patata. Ital. Agr. 70: 1115-1119. illus. N.1933. no.11.

Pirovano, A.
Sulla autosterilità del più fertile susino. Ital. Agr. 70: 1081-1083. N. 1933. no.11.

Visicchio, V.
La prunesta di Ruvo. Ital. Agr. 70: 1121-1131. illus. N. 1933. no.11.

Jahrb. Wiss. Bot. (Leipzig) (450P93J)
Filzer, P.
Experimentelle beiträge zur synökologie der pflanzen. I. Jahrb. Wiss. Bot. 79: 9-130, 1933. no.1.

Pisek, A., & Cartellieri, E.
Zur kenntnis des wasserhaushaltes der pflanzen. III. Alpine zwergsträucher. Jahrb. Wiss. Bot. 79: 131-190. illus. 1933. no.1.

Jahrb. Wiss. Bot. (cont.)
    Reinhard, A. W. & Bro, L.
        Zur frage der leitung des phototropischen reizes. Jahrb. Wiss. Bot. 79: 1-8. illus. 1933. no.1.

Journ. Agr. Res. (Washington, D. C.) (1Ag84J)
    Anderson, M. E.
        Fusarium resistance in Wisconsin Hollander cabbage. Journ. Agr. Res. 47: 639-661. illus. N.1, 1933(D.13) no.9.

    Artschwager, E.
        Suberization and wound-cork formation in the sugar beet as affected by temperature and relative humidity. Journ. Agr. Res. 47: 669-674. illus. N.1, 1933(D.13) no.9.

    Culpepper, C. W. & Moon, H. H.
        Composition of eggplant fruit at different stages of maturity in relation to its preparation and use as food. Journ. Agr. Res. 47: 705-717. N.1, 1933(D.13) no.9.

    Hoggan, I. A.
        Some factors involved in aphid transmission of the cucumber-mosaic virus to tobacco. Journ. Agr. Res. 47: 689-704. illus. N.1, 1933. (D.13) no.9.

    Sieglinger, J. B.
        Inheritance of seed color in crosses of brown-seeded and white-seeded sorghums. Journ. Agr. Res. 47: 663-667. N.1, 1933. (D.13) no.9.

    Tullis, E. C.
        Leptosphaeria salvinii, the ascigerous stage of Helminthosporium sigmoideum and Sclerotium oryzae. Journ. Agr. Res. 47: 675-687. illus. N.1, 1933 (D.13) no.9.

Journ. Bacteriol. (Baltimore) (448.3J82)
    Broadhurst, J.
        Observations on amorphous phases of bacteria. Journ. Bacteriol. 25:545-562. pl.1-3. Je.1933. no.6.

Journ. For. (Washington, D. C.) (99.8F768)

Isenberg, I. H.
Microchemical studies of tyloses. Journ. For. 31: 961-967. illus. D. 1933. no.8.

Sears, P. B.
Climatic change as a factor in forest succession. Journ. For. 31: 934-942. illus. D. 1933. no.8.

Journ. Roy. Hort. Soc. (London) (84L84J)

Burleigh, A. B.
Samuel Curtis, F. L. S., 1779-1860. (Editor, Curtis's Botanical Magazine, 1827-1846). Journ. Roy. Hort. Soc. 58: 324-328. plates (fig.110-115). S. 1933. no.2.

Chittenden, F. J.
The Royal horticultural society's gardens, Wisley: The first twenty-five years. Journ. Roy. Hort. Soc. 58: 258-287. plates (fig. 74-98). S. 1933. no.2.

Ferguson, J.
A botanical study of rose stocks. Journ. Roy. Hort. Soc. 58: 344-371. illus. S. 1933. no.2.

Lofthouse, T. A.
Further notes on plants seen in the Sierra Nevada of Spain. Journ. Roy. Hort. Soc. 58: 307-313. plates (fig.103-106.) S.1933. no.2.

Mitchell, W. J.
Autumn colouring and berries at the arboretum, Westonbirt. Journ. Roy. Hort. Soc. 58: 372-379. S. 1933. no.2.

Rawes, A. N.
Pollination in orchards. IX. Summary of investigations on pear pollination. Journ. Roy. Hort. Soc. 58: 288-295. S. 1933. no.2.

Rohde, E. S.
The Nymans garden library. Journ. Roy. Hort. Soc. 58: 329-343. plates (fig.116-119). S. 1933. no.2.

Russell, J. L.
Clematis. Journ. Roy. Hort. Soc. 58: 380-386. plates (fig.127-134). S.1933. no.2.

Journ. Roy. Hort. Soc. (cont.)

Sansome, F. W.

How new plants are brought about. Journ. Roy. Hort. Soc. 58: 314-319. plates (fig.107-108) S. 1933. no.2.

Tracey, Mrs. F.

Flower hunting in Cyprus. Journ. Roy. Hort. Soc. 58: 301-306. plates (fig. 99-102). S. 1933. no.2.

Weiss, F. E.

On the germination and seedlings of gentians. Journ. Roy. Hort. Soc. 58: 296-300. S. 1933. no.2.

Kranke Pflanze (Dresden) (464.8K86)

Braun, K.

Der gegenwärtige stand unserer kenntnisse vom strachelbeer- und johannisbeerrost. (Puccinia ribis DC. and P. pringsheimiana Kleb.) Kranke Pflanze 10: 139-143. O./N. 1933. no.10/11.

Esmarch, F.

Blattfallkrankheit und säulenrost der johannisbeere. Kranke Pflanze 10: 137-139. O./N. 1933. no.10/11.

Matières Grass. (Paris) (307.8M42)

Denis, P.

L'huile de Pentaclethra macrophylla Benth. I. Matières Grass. 25: 9987-9988. N.15, 1933. no.307.

Mezőgazd. Kutat. Budapest (19M57)

Becze, G.

A magyar nyárigyümőlcs exportnehézségei egy vágon romlott meggy kórképének megvilágitásában. (Die ausfuhrschwierigkeiten des ungarischen sommerobstes, beleuchtet an hand des krankheitsbildes eines waggons fauler weichsel). Mezőgazd. Kutat. Budapest 6: 337-346. illus. O. 1933. no.10.

German summary: p. 345-346.

Mycologia (450M99)

Gill, D.L.

Plasmopara halstedii on cineraria. Mycologia 25: 446-447. N./D. 1933. no.6.

Hotson, J. W.

Endothia parasitica in Washington. Mycologia 25: 549-550. N./D. 1933. no.6.

Mycologia (cont.)

Kern, F. D., Thurston, H. W. & Whetzel, H. H.
Annotated index of the rusts of Colombia. Mycologia 25: 448-503. N./D. 1933. no.6.

Kern, F. D.
The microcyclic species of Puccinia on Solanum. Mycologia 25: 435-441. pl. 48. N./D. 1933. no.6.

Sparrow, F. K. jr.
Inoperculate chytridiaceous organisms collected in the vicinity of Ithaca, N.Y., with notes on other aquatic fungi. Mycologia 25: 513-535. illus. pl. 49. N./D. 1933. no.6.

Stevens, N. E.
Life history and synonymy of Physalospora glandicola. Mycologia 25: 504-508. N./D. 1933. no.6.

Stevens, N. E.
Two apple black rot fungi in the United States. Mycologia 25: 536-548. illus. (map) N./D. 1933. no.6.
Physalospora obtusa, Diplodia mutial.

Taubenhaus, J. J. & Ezekiel, W. N.
A new hollyhock rust. Mycologia 25: 509-512. illus. N./D. 1933. no.6.
Puccinia heterospora.

Thurston, H. W. jr.
The standing of two species of Uromyces on Panicum. Mycologia 25: 442-445. illus. N./D. 1933. no.6.
U. leptodermus, U. costaricensis.

Naturaliste Canad. (Quebec) (410N216)

Rousseau, J.
Essai de bibliographie botanique canadienne. (cont.) Naturaliste Canad. 60: 331-335. N. 1933. no.11.

Nature (London) (472N21)

Gates, R. R.
The general nature of the gene concept. Nature 132: 768-770. N.18, 1933. no.3342.

Joshi, A. C.
Morphological interpretation of floral anatomy. Nature 132: 822-823. N.25, 1933. no.3343.
With note by A. Arber to whose article the author refers.

Naturwissensch. (Berlin) (474N213)
Passarge, S.
Landschaftsgürtel und pflandenvereine Südafrikas und Australiens. Naturwissensch. 21: 809-811. illus. (maps) N.17, 1933. no.46.

New Jersey State Hort. Soc. News (81N46)
Blake, M. A.
The root system is the foundations of the apple orchard. New Jersey State Hort Soc. News 14: 530-531, 536-537. D.1933. no.6.

Oesterr. Bot. Zeitschr. (Wien) (450 Os7)
Dellert, R.
Zur systematischen stellung von Wachendorfia. Oesterr. Bot. Zeitschr. 82: 335-345. illus. O.20, 1933. no.4.

Fischer, B.
Zur frage der abrenzung der subalpinen stufe. Oesterr. Bot. Zeitschr. 82: 305-308. O.20, 1933. no.4.

Geitler, L.
Das verhalten der chromozentren von Agapanthus während der meiose. Oesterr. Bot. Zeitschr. 82: 277-282. illus. O.20, 1933. no.4.

Janchen, E.
Richard Wettstein. Sein leben und wirken. Nachträge und verbesserungen. Oesterr. Bot. Zeitschr. 82: 346-347. O.20, 1933. no.4.

Onno, M.
Die wildformen aus dem verwandtschaftskreis Brassica oleracea L. Oesterr. Bot. Zeitschr. 82: 309-334. illus. O.20, 1933. no.4.

Schiffner, V.
Meeresalgen aus Süd-Dalmatien, gesammalt von Franz Berger. Oesterr. Bot. Zeitschr. 82: 283-304. illus. O.20, 1933. no.4.

Orchidee (Bandoeng) (80 Or18)
Brero, J. van
Een markwaardige orchidee. Habenaria susannae, syn.: Hab. gigantea. Orchidee (Bandoeng) 2: 244-245. illus. (on cover) O.1933. no.10.

Parks & Recreation (Rockford, Ill.) (98.8P23)
Hennenhofer, G.
Two good plants for rock gardens. Parks & Recreation 17: 88-90. illus N.1933. no.3.
Chamaebatiaria millefolium, Pentstemon ambiguus.

Pecan Grow. (Brownwood, Tex.) (94.68P332)
Burkett, J. H.
Experiments in the control of pecan rosette. Pecan Grow. 1(12): 2. N.1933.

Philipp. Journ. Sci. (Manilla) (475P53)
Fajardo, R. G. & Palo, M. A.
The root-knot nematode, Heterodera radicicola (Greef) Müller, of tomato and other plants in the Philippine Islands. Philipp. Journ Sci. 51: 457-481. 8 pl. Ag. 1933. no.4.

Fajardo, T. G.
Sclerotium stem rot of delphinium and other ornamental plants in Trinidad Valley, Mountain Province, Philippine Islands. Philipp. Journ. Sci. 51: 447-453. 8 pl. Ag.1933. no.4.

Plant Physiology (450P692)
Blum, H. F. & Scott, K. G.
Photodynamically induced tropisms in plant roots. Plant Physiology 8: 525-536. illus. O. 1933. No.4.
Effect of erythrosin and light.

Burke, E. & Morris, H. E.
Nutrient elements used by leaves and growth of apple trees. Plant Physiology 8: 537-544. O. 1933. no.4.

Conrad, J. P.
Acidity and alkalinity produced by changes in the nitrogen, sulphur and carbon cycles. Plant Physiology 8: 509-524. O. 1933. no.4.

Sommer, A. L., Bishop, E. R. & Otto, I. G.
Detection and estimation of formaldehyde within the cell of a green plant by the Allison apparatus. Plant Physiology 8: 564-67. O. 1933. No.4.

Steward, F. C.
Controlled thermostats for physicological studies at low, non-freezing temperatures. Plant Physiology 8: 545-551. illus. O. 1933. no.4.

Plant Physiology (cont.)

Tottingham, W. E.
Character of hemicellulose in certain fruit trees. Plant Physiology 8: 559-561. O. 1933. No.4.

Tottingham, W. E.
Examination of starch and hemicellulose extracts from apple wood. Plant Physiology 8: 561-564. O. 1933. no.4.

White, P. R.
Concentration of inorganic ions as related to growth of excised root-tips of wheat seedlings. Plant Physiology 8: 489-508. illus. O. 1933. no.4.

Zurbicki, Z.
Now method of arranging experiments with vegetables in sand cultures with flowing solution. Plant Physiology 8: 553-558. illus. O. 1933. no.4.

Planta Arch. Wis. Bot. (Berlin) (450P693)

Branscheidt, P.
Ueber physiologische haplontenspaltung. Planta Arch. Wiss. Bot. 21: 1-11. N.16, 1933. no.1.
Experiments with Prunus persiaca and Pirus malus.

Bucherer, H.
Ueber ein dimorphes mikrobium. Planta Arch. Wiss. Bot. 21: 98-103. illus. N. 6, 1933. no.1.
Micrococcus dimorphus.

Dellingshausen, M. v.
Untersuchungen über die wechselbeziehungen zwischen quellwirkung und permeiervermogen der elektrolyte. Planta Arch. Wiss. Bot. 21: 51-97. N.6, 1933. no.1.

Mrkos, O.
Ueber den einfluss des wuchstoffes auf die regeneration und wundgewebebildung. Plants Arch. Wiss. Bot. 21: 206-210. N.6, 1933. no.1.

Rudolph, H.
Ueber die einwirkung des farbigen lichtes auf die entstehung der chloroplastenfarbstoffe. Planta Arch. Wiss. Bot. 21: 104-155. illus. N.6, 1933. no.1.
Experiments with Betula pendula.

Planta Arch. Wis. Bot. (cont.)

Voerkel, S. H.

Untersuchungen über die phototaxis der chloroplasten. Planta Arch. Wis. Bot. 21: 156-205. illus. N.6, 1933. no.1.

Experiments with Funaria.

Wulff, H. D.

Beiträge zur kenntnis der männlichen gametophyten der angiospermen. Planta Arch. Wiss. Bot. 21: 12-50. illus. N.6, 1933. no.1.

Poona Agr. Coll. Mag. (22P79)

Kadam, B. S. & Patil, G. G.

Natural cross-fertilization in rice. Poona Agri. Coll. Mag. 25: 53-61. S.1933. no.2.

Prakt. Blätt. Pflanzenb. u. Pflanzensch. (Freising) (464.8P88)

Eisele, H.

Der einfluss des kalis auf den wasserhaushalt der pflanze. Prakt. Blätt. Pflanzenb. u. Pflanzensch. 33: 188-192. N.1933. no.8.

Schmidt, E. & Tornow, E.

Vereinfachte methode zumnachweis des quecksilbers und der beizung von getreide mit quecksilber -und kupfersalzen. Prakt. Blätt. Pflanzenb. u. Pflanzensch. 33: 177-183. N.1933. no.8.

Werneck, H. L.

Die Cercospora-blattfleckenkrankheit der zuckerrübe und ihre bekämpfung. Prakt. Blätt. Pflanzenb. u. Pflanzensch. 33: 183-188. N.1933. no.8.

Proc. Imp. Acad. Tokyo (513T576)

Emoto, Y.

Eine neue varietät von Ceratiomyxa fruticulosa Macbride. Proc. Imp. Acad. Tokyo 9: 416-418. illus. O.1933. no.8.

Var. descendens.

Fukushi, T.

Transmission of the virus through the eggs of an insect victor. Proc. Imp. Acad. Tokyo 9: 457-460. O. 1933. no.8.

Proc. Imp. Acad. Tokyo (cont.)

Koketsu, R., Fujita, T. & Hanada, K.
Vergleich der täglichen veränderungen des gewichtes und pulbervolumens der trockensubstanz in blattern, zum beweis der eignung der Kōketsu'schen pulvermethode. Proc. Imp. Acad. Tokyo 9: 419-421. O. 1933. no.8.

Miyoshi, M.
Ueber die assoziation einer violettblühenden Iris. Proc. Imp. Acad. Tokyo 9: 410-411. illus. O. 1933. no.8.
Iris ensata violacea.

Watanabe, K.
Ungeschlechtliche fortpflanzung von Mitrastemon yamamotoi. Proc. Imp. Acad. Tokyo 9: 412-415. illus. O.1933. no.8.
Parasite on roots of Quercus cuspidata.

Proc. West Virginia Acad. Sco. (Morgantown (500W52)

Fromme, F. D.
Current research in the plant sciences at the West Virginia agricultural experiment station. Proc. West Virginia Acad. Sci. 6: 22-23. Mr. 1933.

Gilbert, F. A.
Additions to the cryptogamic flora of West Virginia. Proc. West Virginia Acad. Sci. 6: 27-28. Mr.1933.
Fungi.

Haught, O. L.
Ecological notes on the vegetation of eastern Wetzel county, W. Va. Proc. West Virginia Acad. Sci. 6: 43-36. Mr.1933.

Sharp, W. M.
The Polyporaceae of Monongalia county, West Virginia. Proc. West Virginia Acad. Sci. 6: 29-31. Mr. 1933.

Progr. Agr. & Vitic. (Montpellier) (14P94)

Contribution a la connaissance de la maladie de l'enroulement des feuilles de la pomme de terre. Progr. Agr. & Vitic. 100: 507-509. N.19. 1933. no.47.

Coulondre, E.
Causerie sur les hybrides. Progr. Agr. & Vitic. 100: 472-477. N.12, 1933. no.46.

Publ. Dir. Plant. Texteis Min. Agr. Brazil (73.9B73)
Monteiro Filho, H.
As portulacas sob o ponto de vista fitogeografico. Publ. Dir. Plant. Texteis Min. Agr. Brazil no.2. 4 p. 1933.
P. elatior, P. pilosa.

Report. Spec. Nov. Beih. (Dahlem bei Berlin) (450R29B)
Eggler, J.
Die pflanzengesellschaften der umgebung von Graz. Repert. Spec. Nov. Beih. v.73, no.1. 96 p. viii pl., 2 maps. 1933.

Rep. Mysore Agr. Dept. (22M99R)
Narasimhan, M. J.
Annual report of the mycological section for the year 1931/32. Rep. Mysore Agr. Dept. 1931/32: 32-35. Mr. 1933.

Rev. de Agr. (Piracicaba) (9.2R324)
Krug, C. A.
Methodos de malhoramento e conhecimentos actuaes da genetica do milho. II-IV. Rev. de Agr. (Piracicaba) 8: 163-173, 270-289, 394-412. illus. My./Je.-S./O. 1933. no. 5/6, 9/10.
II. Methodos antigos de seleccao. III-IV. Methodos modernos de melhoramentos.

Meyer, A. C.
A maturacão e o comportamento das novas variedades de cana introduzidas no estado de São Paulo. Rev. de Agr. (Piracicaba) 8: 359-376. 4pl. S./O. 1933. no.9/10.

Rhodora (Boston) (450R34)
Fassett, N. C.
Notes from the herbarium of the university of Wisconsin. X. Rhodora 35: 387-391. D.1933. no.420.

Fernald, M. L. & Harris, S. K.
Branching Polygonatum pubescens. Rhodora 35: 403-406. illus. D.1933. no.420.

Fernald, M. L.
Recent discoveries in the Newfoundland flora. (concl.) Rhodora 35: 395-403. D.1933. no.420.

Fernald, M. L.
The type of Teucrium canadense. Rhodora 35: 392-395. D.1933. no.420.

Rhodora (cont.)
Schuh, R. E.
On Polysiphonia fibrillosa in New England.
Rhodora 35: 391-392. D.1933. no.420.

Riv. Ital. Essen. e Profumi (Milano) (308.8R52)
Mattei, G. E.
Piante a caoutchouc indigene. Riv. Ital.
Essen. e Profumi 15: 342-343. No.15, 1933. no.11.

Science (470Sci2)
Brown, J. G.
Watermelon susceptible to Texas root rot.
Science 78: 509. D.1, 1933. no.2031.

Dufrenoy, J.
Death as the result of change of living matter
within the plant cell. Science 78: 494-500.
D.1, 1933. no.2031.

Traub, H. P.
Propagation of hybrid Amaryllis (Hippeastrum)
by cuttage. Science 78: 532. D.8, 1933. no.2032.

Turrell, F. M.
The internal exposed surface of foliage leaves.
Science 78: 536-537. D.8, 1933. no.2032.

Whitehead, J. B.
Lightning protection for trees. Science 78:
507-508. D.1, 1933. no.2031.

Scient. Agr. (Ottawa) (7Sci2)
Palmer, R.C.
Studies in plant nutrition. A report of experiments in progress at the Long Ashton research
station. Scient. Agr. 14: 117-119 N.1933. no.3.

Richardson, J. K.
Eggplant wilt. Scient. Agr. 14: 120-130.
3 pl. N. 1933. no.3.

Scott. Geogr. Mag.
Fenton, E. W.
The vegetation of an upland area (Boghall Glen,
Midlothian). Scott. Geogr. Mag. 49: 331-354.
illus. (maps) N.15, 1933. no.6.

So. African Gard. (Johannesburg) (80So87)
Brown, N. E.
A criticism upon South African Iridaceae.
So. African Gard. 23: 262-263. N.1933. no.11.
As represented in various floras.

Plants new or noteworthy. South African plants cultivated in the National botanic gardens, Kirstenbosch, and in our readers' gardens. (cont.) So. African Gard. 23: 255, 266. illus. N.1933. no.11.
Hesperantha flava Lewis, Freesia occidentalis Bolus, Acidanthera roseoalba Lewis, Homeria tricolor Lewis.

Sovetsk, Subtrop. (Suchum) (20Sul)
Petiaev, S. E.
Ocherki po i͡adovitym i narodno-meditsinskim rasteni͡iam gornykh pastbishch Abkhazii (On the poisonous and popular medicinal plants of the mountainous pastures of Abkhasia) Sovetsk. Subtrop. 4: 49-68. illus. O.9, 1932. no.3.
Russian.

Sucrerie Belge. (66.8Sul)
Bougy, E.
Chimisme de quelques hybrides de betteraves.
Sucrerie Belge 53: 102-106. N.15, 1933. no.6.

Tectona (Buitenzorg) (99.8B65)
Sieverts, A.
Een studie over windschade in de djaticulturen van de houtvesterij Djombang. (Studien über die windbeschädigungen in teak-jungbeständen der oberförsterei Djombang (Java). Tectona 26: 803-817. illus. O. 1933. no.10.
German summary: p.816-817.

La Terre Maroc. (Rabat) (24T44)
Bey-Rozet, M.
Les oranges du Maroc. La Terre Maroc. 3(44): 4-16. illus. N.15,1933.

Tijdschr. Plantenz. (464.8T44)
Bruijn, H.L.G. de.
Kwade harten van de erwten. (Marsh spot of peas). Tijdschr. Plantenz. 39: 281-318. pl. xxvi. N. 1933. no.11.
English summary: p.311-316.
"... the disease is not caused by any organism but is a physiological one..."

Trans. Brit. Mycol. Soc. (London) (451B76)

Barnes, B.
Laboratory devices. Trans. Brit. Mycol. Soc. 18: 171-173. illus. N.8, 1933. no.2.

Galloway, L. D.
Note on an unusual mould fungus. Trans. Brit. Mycol. Soc. 18: 163-166. illus. N.8, 1933. no.2.
Memnoniella echinata.

Galloway, L. D.
The stimulation by dilute antiseptics of "sectoring" in mould colonies. Trans. Brit. Mycol. Soc. 18: 161-162. illus. N.8,1933. no.2.

Gwynne-Vaughn, H. C. I.
Notes on the Ascobolaceae. Trans. Brit. Mycol. Soc. 18: 127-134. illus. N.8, 1933. no.2.

Ramsbottom, J.
Dates of publication of Sowerby's English fungi. Trans. Brit. Mycol. Soc. 18: 167-170. N.8, 1933. no.2.

Ramsbottom, J.
English index to Persoon's Synopsis. Trans. Brit. Mycol. Soc. 18: 187-188. N.8, 1933. no.2.

Smith, A. L.
Recent lichen literature. Trans. Brit. Mycol. Soc. 18: 93-126. No.8, 1933. no.2.

Symposium and discussion on the measurement of disease intensity held on January 21st, 1933, in the Botanical department, University college, Gower street. Trans. Brit. Mycol. Soc. 18: 174-186. No.8, 1933. no.2.
I. Potato blight, A. Beaumont. II. Apple scab, R.W. Marsh. IV. An attempt to measure the intensity of an attack of net blotch (Helminthosporium teres Sacc.) on barley, H.B. Bescoby.

Wiltshire, S. P.
The foundation species of Alternaria and Macrosporium. Trans. Brit. Mycol. Soc. 18: 135-160. illus., pl.vi-viii. N.8, 1933. no.2.
Macrosporium should be placed on list of nomina ambigua.

Trop. Woods, Yale Univ. Sch. For. (New Haven) (99.08Y1Tr)

Garratt, G. A.

Bearing of wood anatomy on the relationships of the Myristicaceae. Trop. Woods, Yale Univ. Sch. For. 36: 20-44. D.1, 1933.

Garratt, G. A.

Systematic anatomy of the woods of the Myristicaceae. Trop. Woods, Yale Univ. Sch. For. 35: 6-48. illus., pl. i-ii. S.1, 1933.

International association of wood anatomists - Committee on nomenclature.

Glossary of terms used in describing woods. Trop. Woods, Yale Univ. Sch. For. 36: 1-12. D.1, 1933.

McLaughlin, R. P.

Systematic anatomy of the woods of the Magnoliales. Trop. Woods, Yale Univ. Sch. For. 34: 3-39. Je.1, 1933.

Marco, H. F.

The wood of Sarcosperma paniculatum. Trop. Woods, Yale Univ. Sch. For. 33: 1-4. Mr.1, 1933. no.33.

Record, S. J.

The woods of Rhabdodendron and Duckeodendron. Trop. Woods, Yale Univ. Sch. For. 33: 6-10. Mr.1, 1933.

Standley, P. C.

The Colombian species of Aspidosperma and Tabebuia. Trop. Woods, Yale Univ. Sch. For. 36: 13-20. D.1, 1933.

A.curranii, A. dugandii, T. dugandii, T. coralibe n.spp.

Standley, P. C.

Edithea, a new genus of Mexican shrubs of the family Rubiaceae. Trop. Woods, Yale Univ. Sch. For. 34: 1-3. Je.1, 1933.

E. floribunda.

Standley, P. C.

New names for tropical American trees. Trop. Woods, Yale Univ. Sch. For. 34: 39-41. Je.1, 1933.

Trop. Woods, Yale Univ. Sch. For. (cont.)
Standley, P. C.
New trees from the Tapajoz river, Brazil, with a list of vernacular names. Trop. Woods, Yale Univ. Sch. For. 33: 11-24. Mr.1,1933.

Standley, P. C.
Poulsenia, a genus of trees of the family Moraceae. Trop. Woods, Yale Univ. Sch. For. 33: 4-5. Mr.1, 1933.

Vigne, C.
Notes on Buchholzia and Mansonia in the Gold Coast. Trop. Woods Yale Univ. Sch. For. 35: 1-3. S.1, 1933.

Vict. Nat. (Melbourne) (410V66)
Rupp, H. M. R.
Three rare orchids. Vict. Nat. 50: 168-169. illus. N.1933. no.7.
Dendrobium tofftii, D. moorei, D. gracilicaule.

Trop. Agriculture West Indies (Trinidad) (26T754)
Baker, R. E. D.
Stripe disease of maize. Trop. Agriculture West Indies 10: 352. D. 1932. no.12.

U.S.Dept. Agr. Farm. Bull. (1Ag84F)
Clark, J. A.
Varieties of Durum wheat. U.S. Dept. Agr. Farm. Bull. 1076. 12 p. illus. O.1933 (Rec'd N.23)

U.S. Dept. Agr. Leafl. (1Ag84L)
Pieters, A. J. & Hollowell, E. A.
Red-clover failure in relation to anthracnose in the southern part of the clover belt. U.S. Dept. Agr. Leafl. 98. 5 p. illus. Ag.1933.

Zeitschr. Pflanzenernahr. Dung. u. Bodenk. A, Wiss. Teil. (Leipzig) (384Z343A)
Rippel, A., Behr, G. & Meyer, R.
Zur kenntnis der wirkung des kaliums auf höhere pflanzen. Zeitschr. Pflanzenernähr. Düng. u. Bodenk. A, Wiss. Teil 32: 95-109. 1933. no.1/2.

Zeitschr. Pflanzenkr. (Stuttgart) (464.8Z3)
Kornfeld, A.
Der taumellolch (Lolium temulentum). Zeitschr. Pflanzenkr. 43: 657-661. illus. N.1933. no.11.

Zeitschr. Zuckerind. Cechoslovak. Rep. (66.8Z3)
Neuwirth, F.
Oekologie der aufgehenden rübe mit berücksichtigung ihrer krankheiten. Die fakultativen parasiten, ihr gegenseitiges verhältnis und ihre beziehung zur wirtspflanze. Zeitschr. Zuckerind. Cechoslovak. Rep. 58: 97-103. N.24, 1933. no.13.

Exp. Stat. Publ.
Deming, G. W. & Robertson, D. W.
Dormancy in small-grain seeds. Colorado Agr. Exp. Stat. Techn. Bull. 5. 12 p. Ag.1933. (100C71S)

Chadwick, L. C.
Studies in plant propagation. The influence of chemicals, of the medium, and of the position of the basal cut, on the rooting of evergreen and deciduous cuttings. Cornell Agr. Exp. Stat. Bull. 571. 53 p. illus. Je. 1933 (100N48C)

New Jersey agricultural experiment station - Dept. of plant pathology.
The evaluation of fungicides. Its Nursery Dis. Notes 6: 17-20. N.1933(464.9N46)

Overholts, L. O.
The Polyporaceae of Pennsylvania. I. The genus Polyporus. Pennsylvania Agr. Exp. Stat. Bull. 298. 28 p. ii pl. S.1933. (100P381)

Groves, A. B.
A study of the sooty blotch disease of apples and the causal fungus Gloeodes pomigena. Virginia Agr. Exp. Stat. Techn. Bull. 50. 43 p. illus., 10 pl. S. 1933 (100V81S)

Wingard, S. A.
The development of rust-resistant beans by hybridization. Virginia Agr. Exp. Stat. Techn. Bull. 51. 40 p. illus. O. 1933(100V81S)

Shands, R. G., Leith, B. D., Dickson, J.G. & Shands, H.L.
Stripe resistance and yield of smooth-awned barley hybrids. Wisconsin Agr. Exp. Stat. 116. 22 p. illus. S.1933(100W75)

New Books.

Backer, C. A.
Onkruidflora der Javasche suikerrietgronden. afl. 7 (Atlas) fig. 193-224. [1933] (Handboek ten dienste van de suikerriet-cultuur ... op Java 7. deel) (65J32)

Barton-Wright, E.C.
Recent advances in plant physiology. 2d ed. London, J. & A. Churchill, 1933 (463.3B28)

Buller, A. H. R.
Researches on fungi vol.5. Hyphal functions and protoplasmic streaming in the higher fungi, together with an accound of the production and liberation of spores in Sporobolomyces, Tilletia and Sphaerobolus. London, etc., Longmans, 1933 (462B87)

Gnadiger, C. B.
Pyrethrum flowers. Minneapolis, McLaughlin Gormley King Co. 1933 (388G53)

Goodey, T.
Plant parasitic nematodes and the diseases they cause. London, Methuen & Co., 1933 (464.35G61)

Grout, A. J.
Moss flora of North America, north of Mexico. v.2, pt.1. Grimmiaceae, by G.N. Jones... Newfane, Vt., The author, N.1933 (461.31G91Mo)

Hustedt, F.
Die kieselalgen... 2. teil, lfg.3. Leipzig, 1933 (Dr. L. Rabenhorst's Kryptogamen-flora von Deutschland, Oesterreich und der Schweiz VII. bd.) 461R11)

Index kewensis plantarum phanerogamarum supplementum 8... 1926-1930. Oxonii, e prelo Clarendoniano, 1933 (452H761)

Lendner, A.
La maladie des ormeaux. [n.p., 1932] (Pamph.464.07L)
Extrait de la Revue horticole suisse, no.11, Nov. 1933.

Silveus, W. A.
Texas grasses, classification and description of grasses. San Antonio, Texas, The author, 1933. (455.63Si3)

Translations filed in Library of Bur. of Plant Industry.
Bi͡ull. I͡arovization (Odessa)
English translations from v.1-2/3, by Miss Sophia Satina.

Bassarskaja, M.
K voprosu o tormozhenii rosta semi͡an vo vremi͡a i͡arovizatsii [Slowing down the growth of seeds during iarovization]. Bi͡ull. I͡aroviz. 2/3: 87-104. illus. 1932.
Russian. Transl. In B.P.I.

Demkovskiĭ, P.I.
K voprosu o biokhimicheskikh protsessakh, svi͡azannykh s i͡arovizatsieĭ [On the problems of biochemical processes connected with iarovization]. Bi͡ull. I͡aroviz. 1: 42-46. 1932.
Russian. Trans. in B.P.I.

Demkovskiĭ, P.I.
Materialy po izuchenii͡u nekotorykh biokhimicheskikh i͡avleniĭ, svi͡azannykh s i͡arovizatsieĭ [Data on the study of certain biochemical phenomena connected with iarovization] Bi͡ull. I͡aroviz. 2/3: 105-108. 1932.
Russian. Transl. in B.P.I.

Dolgushin, D.A.
K voprosu o fotoperiodicheskom posledeĭstvii [On the problem of photoperiodic after-effect] Bi͡ull. I͡aroviz. 1: 30-35. illus. 1932.
Russian. Transl. in B.P.I.

Dolgushin, D. A.
O komplekse faktorov, obuslavlivai͡ushchikh plodonoshenie prosa [On the complex factors which control seed development in millet] Bi͡ull. I͡aroviz. 1: 36-38. illus. 1932.
Russian. Transl. in B.P.I.

Favorov, A. M.
Regulirovanie vegetationsionnykh periodov s.-kh. rasteniĭ i novye metodi selektsionnoĭ raboty [Regulation of the vegetative periods of agricultural plants and new methods of selection]. Bi͡ull. I͡aroviz. 1: 39-41. 1932.
Russian. Transl. in B.P.I.

Geshele, E. E.
Bor'ba s gribnymi zabolevanii͡ami pri i͡arovizatsii [Control of fungus diseases during iarovization] Bi͡ull. I͡aroviz. 2/3: 69-80. illus. 1932.
Russian. Transl. in B.P.I.

Translations (cont.)

Lysenko, T. D.
I͡arovizatsii͡a sel'sko-khozi͡aĭstvennykh rasteniĭ [Iarovization of agricultural plants]. Bi͡ull. I͡aroviz. 1: 14-29. illus. 1932.
Russian. Transl. in B.P.I.

Lysenko, T. D.
K voprosu i͡arovizatsii kukuruzy, prosa, sudanki, sorgo i soi [On iarovization of maize, millet, sudan grass, sorghum and soybean]. Bi͡ull. I͡aroviz. 2/3: 46-64. illus. 1932.
Russian. Transl. in B.P.I.

Lysenko, T. D.
K voprosu o regulirovanii dliny vegetatsionnogo perioda s.-kh. rasteniĭ [On the control of the vegetative period in agricultural plants] Bi͡ull. I͡aroviz. 1: 5-13. illus. 1932.
Russian. Transl. in B.P.I.

Lysenko, T. D.
Predvaritel'noe soobshchenie o i͡arovizirovannykh posevakh pshenits v Sovkhozakh i Kolkhozakh v.1932 g. [A preliminary report on iarovized plantings of wheat in Sovkhozes and Kolkhozes in 1932.] Bi͡ull. I͡aroviz. 2/3: 3-15. illus. 1932.
Russian. Transl. in B.P.I.

Lysenko, T. D.
Prisushche li prirode sel'sko-khozi͡aĭstvennykh rasteniĭ trebovanie fotoperiodov [Do agricultural plants require photoperiodism?] Bi͡ull. I͡aroviz. 2/3: 16-34. illus. 1932.
Russian. Transl. in B.P.I.

Lysenko, T. D.
Rezul'tati opytov 1930 goda s i͡arovizovannymi posevami v Kolkhozakh i Sovkhozakh USSR [Results of experiments with iarovized plantings in Kolkhozes and Sovkhozes of Uk. S.S.R. in 1929] Bi͡ull. I͡aroviz. 1: 57-61. 1932.
Russian. Transl. in B.P.I.
Wheat.

Lysenko, T. D. & Dolgushin, D. A.
Uskorenie razvitii͡a kartofeli͡a v polevykh uslovii͡akh sotsialisticheskogo khozi͡aĭstva. [Acceleration of development of potato under field conditions of socialistic agriculture] Bi͡ull. I͡aroviz. 2/3: 35-45. illus. 1932.
Russian. Transl. in B.P.I.

Translations (cont.)

Murav'ev, P. A.

Mukomol'no-khlebopekarnye svoĭstva i͡arovizovannykh pshenits [Properties of flour and bread produced from iarovized wheats]. Bi͡ull. I͡aroviz. 1: 47-56. illus. 1932.

Russian. Transl. in B.P.I.

Nemlienko, F.

K voprosu o bor'be s tverdoĭ golovneĭ pri i͡arovizatsii pshenitsy [On the problem of control of hard smut in connection with iarovization of wheat] Bi͡ull. I͡aroviz. 2/3: 81-86. 1932.

Russian. Transl. in B.P.I.

Ukrainskiĭ institut selektsii

Instruktsii͡a po i͡arovizatsii tverdykh i͡arovykh pshenits [Directions for iarovization of hard spring wheats]. Bi͡ull. I͡aroviz. 1: 62-70. 1932.

Russian. Transl. in B.P.I.

By hard wheats we understand Triticum durum, the local names are Arnautka, Garnovka, Kubanka, Beloturka, Sedpuska.

Vorobbev, A. I.

I͡arovizatsii͡a - kak metod uskorenii͡a selektsii vinograda [Iarovization as a method of accelerating selection in grapes] Bi͡ull. I͡aroviz. 2/3: 65-68. 1932.

Russian. Transl. in B.P.I.

BOTANY
CURRENT LITERATURE

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY.
COMPILED FROM PUBLICATIONS RECEIVED IN THE
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C.

LIBRARY
RECEIVED
★ JAN 15 1934 ★
U. S. Department of Agriculture

Vol. 15, no.26. Dec.18-29,1933.

Amer.Journ. Bot. see End of List.

Amer. Potato Journ. (75.8P842)

Dickey, J.B.R.
Potatoes forty years ago. Amer. Potato Journ. 10:250-252. D. 1933. no.12.

Fernow, K. H.
A partially masked mosaic of potatoes. Amer. Potato Journ. 10: 235-245. D.1933. no.12.

Ann. Agron. (Paris) (14An75A)

Bertrand, G & Silberstein, L.
Le soufre et la phosphore dans les diverses parties du grain de blé. Ann. Agron. (Paris) 3: 783-786. N./D.1933. no.6.

Feyte, A.
Répartition du phosphore dans les blés et farines. Ann. Agron. (Paris) 3: 787-798. N./D. 1933. no.6.

Ann. Missouri Bot. Gard. (St.Louis) (451M69)

Berkley, D. M. & Berkley, E. E.
Super optimal and thermal death temperatures of the cotton plant as affected by variations in relative humidity. Ann. Missouri Bot. Gard. 20: 583-604. N. 1933. no.4.

Steyermark, J. A. & Moore, J. A.
Report of a botanical expedition into the mountains of western Texas. Ann. Missouri Bot. Gard. 20:791-806. N. 1933. no.4.

Woodson, R. E., jr.
Studies in the Apocynaceae. IV. The American genera of Echitoideae. Ann. Missouri Bot. Gard. 20: 605-790. N. 1933. no.4.

Wynd, F. L.
Sources of carbohydrate for germination and growth of orchid seedlings. Ann. Missouri Bot. Gard. 20: 569-581. N. 1933. no.4.

Arch. Bot. Sist., Fitogeogr. e Gen. (Forli) (450Ar24)
Béguinot, A.
Brevi notizie sullo Juncus tommasini Parl.
Arch. Bot. Sist., Fitogeogr. e Gen. 9: 312-323.
illus. D. 1933. no.3/4.

Calestani, V.
Le origini e la classificazione angiosperme.
Arch. Bit. Sist., Fitogeogr. e Gen. 9: 274-311.
D. 1933. no. 3/4.

Cufodontis, G.
Risultati della spedizione boilogica austriaca in Costarica nel 1930. Raccolte botaniche, 2. pte. Descrizione di specie nuove e pubblicazione di specie finora ignote della Costarica, con osservazioni critiche. Arch. Bot. Sist., Fitogeogr. e Gen.
9: 179-204. 1933. no.3/4.

Lanzoni, F.
Intorno alla Tournefortia heliotropioides Hook nel Parmense. Arch. Bot. Sist., Fitogeogr. e Gen. 9: 269-273. D. 1933. no. 3/4.

Luzzatto, G.
Anemone hortensis L., A.pavonia Lam., A. fulgens Gay e A. regina Risso. Studio sistematico e fitogeografico. II. Arch. Bot. Sist., Fitogeogr. 4 Gen. 9: 105-236. D. 1933. no.3/4.

Morton, F.
Pflanzengeographische monographie der Quarneroinsel Cherso. (cont.) Arch. Bot. Sist., Fitogeogr. e.Gen. 9: 237-268. D. 1933. no.3/4.

Arch. Exp. Path. u. Pharm. (Leipzig) (448.8Ar2)
Barjaktarović, Sv. Sp. & Bogdanović, S. B.
Untersuchungen über die wirkung des maisbrandes (Ustilago maidis) Arch. Exp. Path. u. Pharm.
173: 381-387. N.24,1933. no.4/6.

Arch. Mikrobiol. (Berlin) (442.8Ar26)
Ferguson, A. J. & Rahn, O.
Zum nachweis mitogenetischer strahlung durch beschleunigtes wachstum von bakterien. Arch. Mikrobiol. 4: 574-582. N.20, 1933. no.4.

Arch. Mikrobiol. (cont.)

Kostoff, D. & Kendall, J.
Studies on plant tumors and polyploidy produced by bacteria and other agents. Arch. Mikrobiol. 4: 487-508. illus. N.20, 1933. no.4.

Rippel, K.
Untersuchungen über die abhängigkeit der sporenkeimung vom wassergehalt der luft bei Cladosporium fulvum Cooke und anderen pilzen. Arch. Mikrobiol. 4: 530-542. N.20,1933. no.4.

Tuthill, J. B. & Rahn, O.
Zum nachweis mitogenetischer strahlung durch hefesprossung. Arch. Mikrobiol. 4: 565-573. N.20, 1933. no.4.

Bergcultures (Batavia, Java) (22.5B45)

Bosschieter, J. C. A.
Werkmethoden in verband met Helopeltis en redrust. Bergcultures 7: 1261-1263. N.18, 1933. no.46.
On tea.

Ber. Deut. Bot. Ges. (Berlin) (451D48)

Arens, P.
Ueber die natur ker keulenhaare der laubmoose. Ber. Deut. Bot. Ges. 51 348-350. illus. N.23, 1933. no.8.

Döpp, W.
Weitere untersuchungen an apogamen farnen. I. Aspidium filix mas Sw. var.crist. hort. Ber. Deut. Bot. Ges. 51: 341-347. illus., pl. vi. N.23, 1933. no.8.

Freisleben, R.
Ueber experimentalle mykorrhiza-bildung bei ericaceen. Ber. Deut. Bot. Ges. 51: 351-356. pl.vii. N.23, 1933. no.8.
Vorläufige mitteilung.

Klebahn, H.
Penicillium ehrlichii, P.luteum, P. wortmanni, P. persimplex. Ber. Deut. Bot. Ges. 51: 318-335. illus. N.23, 1933. no.8.

Laibach, F.
Wuchsstoffversuche mit lebenden orchideenpollinien. Ber. Deut. Bot. Ges. 51: 336-340. illus. N.23, 1933. no.8.

Bibl. Genetica ('s-Gravenhage) (442B47)

Gaiser, L. O.
Chromosome numbers in angiosperms. IV.
Bibl. Genetica. 10: 105-250. 1933.

Haan, H. de
Inheritance of chlorophylldeficiencies.
Bibl. Genetica 10: 357-416. 1933.

Krumbiegel, I.
Die prämendelistische vererbungsforschung und ihre grundlagen. Bibl. Genetica 10: 251-298. port. 1933.

Stubbe, H.
Labile gene. Bibl. Genetica 10: 299-356. illus. 1933.

Biochem. Journ. (London) (382B52)

Buston, H. W. & Chamber, V. H.
Some cell-wall constituents of Cetraria islandica ("iceland moss"), Biochem. Journ. 27: 1691-1702. 1933. no.5.

Collin, G.
The kernel-fats of some members of the Palmae: Acrocomia sclerocarpa Mart. (gru-gru palm), Manicaria saccifera Gaertn. , Astrocaryum tucama Mart., Maximiliana caribaea Griseb., Attalea excelsa Mart. (pallia palm), and Cocos nucifera Linn. (coconut). Biochem. Journ. 27: 1366-1372. 1933. no.5.

Kretovitch, W.
Distribution of sugar and nitrogenous substances in wheat grain. Biochem. Journ. 27: 1687-1690, 1933. no.5.

Oxford, A.E. & Raistrick, H.
Studies in the biochemistry of micro-organisms. XXXIV. A note on the mechanism of the production of phenolic acids from glucose by Penicillium brevi-compactum Dierckx. Biochem. Journ. 27: 1473-1478. 1933. no.5.

Biol. Zentralbl. (Leipzig) (442.8B523)

Popoff, M.
Ueber die pflanzlichen auxine und ihre wirkung auf einzellige. Biol. Zentralbl. 53: 661-668. 1933. no.11/12.

Bol. Agr. y Ganad. Peru (9.8P43B)

Barducci, T. B.

Un nuevo método para la determinación rápida de la marchitez o cotton wilt del algodonero: el método de la hoja o cotton wilt leaf index. Bol. Agr. Y Ganad. Peru 3: 27-36. illus., col.pl. 1933. no. 9/10.

Boll. Soc. Ital. Biol. Sper. (Nepoh) (442.8So12)

Savelli, R.

Fisiopatologia dei plastidi. I. Eziolamento dell'Aloe. Boll. Soc. Ital. Biol. Sper. 8: 1532-1535. illus. Ag. 1933. no.8.

Savelli, R.

Singolarissima forma di plastidio assimilatore: l'eleocloroplasto del Cephalocereus euphorbioides (Haw.) Britt. et Rose. Boll. Soc. Ital. Biol. Sper. 8: 1528-1531. illus. Ag. 1933. no.8.

Savelli, R.

Sulla reazione di Sidorin. Boll. Soc. Ital. Biol. Sper. 8: 1538-1542. Ag. 1933. no.8.

Boll. Soc. Venez. Stor. Nat. (Venice) (410.9So125)

Calestani, V.

Note sulla disseminazione delle piante. I. L'azione delle formiche del gen. Messor. Boll. Soc. Venez. Stor. Nat. 1: 27-40. F.25, 1933. no.2/3.

Bot. Gaz. (Chicago) (450B652)

Crooks, D. M.

Histological and regenerative studies on the flax seedlings. Bot. Gaz. 95: 209-239. illus. D. 1933. no.2.

Dorf, E.

A new occurrence of the oldest known terrestrial vegetation, from Beartooth Butte, Wyoming. Bot. Gaz. 95: 240-257. pl.v-vi. D.1933. no.2.

Hoffman, C. A.

Developmental morphology of Allium cepa. Bot. Gaz. 95: 279-299. illus. D. 1933. no.2.

Ireland, J. C. & Yeats, P. A.

Chlorophyll content of grain sorghums. Bot. Gaz. 95: 300-315. illus., pl. vii. D. 1933. no.2.

Bot. Gaz. (cont.)

Johansen, D. A.
Cytology of the tribe Madinae, family Compositae. Bot. Gaz. 95: 177-208. illus. D. 1933. no.2.

Lander, C. A.
Spore formation in Scleroderma lycoperdoides. Bot. Gaz. 95: 330-337. illus. D. 1933. no.2.

Lewis, K. H. & McCoy, E.
Root nodule formation on the garden bean, studied by a technique of tissue culture. Bot. Gaz. 95: 316-329. D. 1933. no.2.

Shull, C. A & Mitchell, J. W.
Some physico-chemical properties of seed extracts. Bot. Gaz. 95: 258-278. D. 1933. no.2.

Spieth, A. M.
Anatomy of the transition region in Gossypium. Bot. Gaz. 95: 338-347. illus. D. 1933. no.2.
Seeds of G. hirsutum.

Bull. Inst. Agron. Stat. Rech. Gembloux (105.1G285)

Boudru, M.
Quelques notes sur la biologie du Ceratostomella ulmi (Schwarz) Buisman, agent de la thyllose parasitaire de l' orme. Bull. Inst. Agron. Stat. Rech. Gembloux 2: 310-343. incl. ii pl. N. 1933. no.4.

Bull. Misc. Inform. Kew (London)(89K51B)

Dyer, R. A.
Notes on the flora of southern Africa. IV. Miscellaneous new species. Bull. Misc. Inform. Kew 1933: 459-462. 1933.

Hutchinson, J.
The genus Trichocladus Pers. (Hamamelidaceae). Bull. Misc. Inform. Kew 1933: 427-430. illus. 1933. no.9.
T. dentatus n.sp.

Smuts, J. C.
The vegetation of Schoemanskloof, Eastern Transvaal. Bull. Misc. Inform. Kew 1933: 417-427. 1933. no.9.

Bull. Misc. Inform Kew. (cont.)

Sprague, T. A.

Botanical terms in Albertus Magnus. Bull. Misc. Inform. Kew 1933: 440-459. 1933. no.9.

Sprague, T. A.

Plant morphology in Albertus Magnus. Bull. Misc. Inform. Kew. 1933: 431-440. 1933. no.9.

Bull. Sci. Pharm. (Paris) (396.8B872)

Millat, L.

Les "Mitragyna" et leurs alcaloïdes. Bull. Sci. Pharm. 40: 593-600. N. 1933. no.11.

Cactus & Succ. Journ. (Los Angeles) (451C11)

Baxter, E. M.

Opuntia aurea, a new species. Cactus & Succ. Journ. 5: 489-490. illus. D. 1933. no.6.

Smith, A.

What grows where. Cacti listed in accordance with their geographical origin. Compiled and copyrighted for Mrs. John D. Wright, Santa Barbara, Calif., 1933. (cont.) Cactus & Succ. Journ. 5: 494-495. D. 1933. no.6.

Walther, E.

Illustrated notes in the Crassulaceae. 5. Crassula barbata Thunbg. Cactus & Succ. Journ. 5: 488. illus. D. 1933. no.6.

Calif. Citrogr. (Los Angeles) (80C125)

Thompson, D. J.

Develop method for using zinc for brown rot gummosis. Calif. Citrogr. 19: 65. illus. Ja. 1934. no.3.

Canad. Field Nat. (Ottawa) (410.90t8)

Shutt, F. T.

William T. Macoun, January 27, 1869-August 13, 1933. An appreciation. Canad. Field Nat. 47: 161-162. port. D. 1933. no.9.

Carnegie Mag. (Pittsburgh) (500C213)

Jennings, O. E.

The passing of Pymatuning Swamp. Carnegie Mag. 7: 202-207. illus. D. 1933. no.7.

In Crawford Co., Penn.

Compt. Rend. Acad. Agr. France (Paris) (14P215Bc)

Lesage, P.

Cultures de 1933 et hérédité d'un caractère physiologique acquis. Compt. Rend. Acad. Agr. France 19: 970-972. N.22, 1933. no.27.

Compt. Rend. Acad. Sci. Paris. (505P21)

Bach, D. & Desbordes, D.

La transformation directe des nitrates en ammoniaque par le mycelium des champignons inférieurs. Compt. Rend. Acad. Sci. Paris 197: 1463-1465. D.4, 1933. no.23.

Bertrand, G. & Andreitcheva, Mlle. M.

Sur la teneur comparée en zinc des feuilles vertes et des feuilles étiolées. Compt. Rend. Acad. Sci. Paris 197: 1374-1376. D.4, 1933. no.23.

Darrah, W. C. & Bertrand, P.

Obsertations sur les flores houillères de Pensylvanie (régions de Wilkes-Barre et de Pittsburgh) Compt. Rend. Acad. Sci. Paris 197: 1451-1452. D.4, 1933. no.23.

Hamet, R.

L'oxyacanthine, alcaloïde du Berberis vulgaris L., possède-t-elle une action sympathicolytique? Compt. Rend. Acad. Sci. Paris 197: 1354-1357. illus. N.27, 1933. no.22.

Sartory, A., Sartory, R. & Meyer, J.

Le cycle évolutif des Actinomyces dans les cultures après passage à travers l'ultrafiltre de collodion. Compt. Rend. Acad. Sci. Paris 197: 1465-1467. D.4,1933. no.23.

Compt. Rend. Soc. Biol. Paris. (442.9P21)

Gratia, A.

Pluralité antigénique et identification sérologique des virus des plantes. Compt. Rend. Soc. Biol. Paris. 114: 923-924. 1933. no.35.

Tobacco mosaic.

Gratia, A.

Qualité antigénique des virus des plantes et des bacteriophages. Compt. Rend. Soc. Biol. Paris. 114: 925-926. 1933. no.35.

Contr. Biol. Lab. Sci. Soc. China Bot. Ser. (442.9Sci2B)

Chien, S. S.

Chinese species of Daphniphyllum. Contr. Biol. Lab. Sci. Soc. China Bot. Ser. 8: 233-243. My. 1933. no.3.

D. longistylium, D. oblongum, D. salicifolium n.spp.

Chien, S. S.

An enumeration of vascular plants. I. Gymnospermae by W. C. Cheng. Contr. Biol. Lab. Sci. Soc. China Bot. Ser. 8: 298-306. My. 1933. no.3.

Ling, L.

Studies on the genus Poria of China. I. Contr. Biol. Lab. Sci. Soc. China Bot. Ser. 8: 222-232. illus. My. 1933. no.3.

P. moricola, P. papinensis, n.spp.

Pe'i, C.

The vascular plants of Nanking. II. Contr. Biol. Lab. Sci. Soc. China Bot. Ser. 8: 280-297. illus. My. 1933. no.3.

Teng, S. C.

An easy method for isolating single spores. Contr. Biol. Lab. Sci. Soc. China Bot. Ser. 8: 219-221. My. 1933. no.3.

Teng, S. C. & Ling, L.

Fungi of Chekiang III. Contr. Biol. Lab. Sci. Soc. China Bot. Ser. 8: 271-279. illus. My. 1933. no.3.

Aleurodiscus senensis, Pseudolachnea scolecospora. n.spp.

Teng, S. C.

Fungi of Nanking. V. Contr. Biol. Lab. Sci. Soc. China Bot. Ser. 8: 253-270. illus. My.1933. no.3.

Massaria zelkovae, Leptothyrium smilacis-chinae, Didymosporium liquidambaris n.spp.

Wang, C. C.

Some species of Oscillatoria of Nanking. Contr. Biol. Lab. Sci. Soc. China Bot. Ser. 8: 244-252. illus. My. 1933. no.3.

Wang, C. C.

Species of Spirogyra of Nanking. Contr. Biol. Lab. Sci. Soc. China Bot. Ser. 8: 193-209. 7 pl.on 4. My. 1933. no.3.

S. nankinensis, S. pseudoweberi n.spp

Contr. Boyce Thom. Inst. Plant Res. (451B69)

Arthur, J. M. & Stewart, W. D.
Transpiration of tabacco plants in relation to radiant energy in the visible and infra-red. Contr. Boyce Thom. Inst. Plant Res. 5: 483-501. illus. O./D.1933. no.4.

Barton, L. V.
Seedling production of tree peony. Contr. Boyce Thomp. Inst. Plant Res. 5: 451-460. illus. O./D. 1933. no.4.

Thornton, N. C.
Carbon dioxide storage. V. Breaking the dormancy of potato tubers. Contr. Boyce Thomp. Inst. Plant Res. 5: 471-481. illus. O./D. 1933. no.4.

Country Life (London) (80C83)

Taylor, G. C.
Miniature rhododendrons. Country Life 74: 636-637. illus. D.9, 1933. no.1925.

Current Science (Bangalore) (475Sci23)

Biswas, K.
Notes on Ficus indica Linn. and closely allied American species, Ficus laurifolia Hort. et Lam., and Ficus anthelmintica Martius. Current Science 2: 51-52. Ag. 1933. no.2.

Ghose, S. L. & Randhawa, M. S.
A note on cyst-formation in Protosiphon botryoides (Kutz.) Klebs. Current Science 2: 55-56. illus. Ag. 1933. no.2.

Narasimha Murthi, S. K.
Studies on the life-history of Limnophyton obtusifolium (Miquel). Current Science 2: 53-54. illus. Ag.1933. no.2.

Ramiah, K., Parthasarathi, N. & Ramanujam, S.
A triploid plant in rice (Oryza sativa). Current Science 2: 170-171. illus. N.1933. no.5.

Rode, K. P.
A note on fossil angiospermous fruits from the Deccan Intertrappean beds of Central Provinces. Current Science. 2: 171-172. illus. N. 1933. no.5.

Dansk Bot. Ark. (København) (450D23)
Jørgensen, H.
Das anlocken von hummeln bei Althaea (stockrose), sowie einiger bemerkungen über die fähigkeit der blumenknospen, hummeln und honigbienen anzulocken. Dansk. Bot. Ark. v.8, no.4. 27 p. 1933.

Deut. Landw. Presse (Berlin) (18D482)
Erwin Baur. Deut. Landw. Presse 60: 625. port. D.9, 1933. no.49.
Died Dec.2d.

Flor. Exch. (N.Y.) (80F666)
Melle, P. J. van
A fine type of plant material. Some little used evergreen shrubs that offer a profitable change from certain overdone forms. Flor. Exch. 81(51): 17. illus. D.23, 1933.
Mahonia, barberries, Pieris japonica &c. grown near Poughkeepsie, N.Y.

Farming So. Africa (Pretoria) (24So842)
Verwoerd, L.
Storage pit (bitterpit) of apples. Farming So. Africa 8: 418, 430. N. 1933. no.92.

Gard. Chron. (London) (80G162)
Collins, E. J.
Crocus medius. Gard. Chron. III, 94: 435-436. illus. D.9, 1933. no.2450.

Hay, T.
Meconopsis violacea (K.W. 7207). Gard.Chron. III, 94: 432. D.9, 1933. no.2450.
Notes by F.K. Ward & T.W. Bolas.

Nelmes, W.
Autumn colour. Gard. Chron. III,94: 418-419. D.2, 1933. no.2449.

Asparagus rust. Gard. Chron. III, 94: 422. D.2, 1933. no.2449.

Ornamental Alliums. Gard. Chron. III, 94: 432. D.9, 1933. no.2450.

Gard. Illus. (London) (80G169)
Cowley, H.
A holiday in Spain. Outward journey, Irun to Madrid, Madrid to Granada. I. Gard. Illus. 55: 701-702. illus. D.2, 1933. no.2856.

Geogr. Journ. (London) (472G29)
Humphreys, N.
Ruwenzori: Flights and further exploration. Geogr. Journ. 82: 481-514. plates (2 fold.) D. 1933. no.6.

Helvetica Chim. Acta (Basel) (385H36)
Karrer, P. & Takahashi, T.
Pflanzenfarbstoffe LIV. Methylierungsprodukte des zeaxanthins. Helvetica Chim. Acta 16: 1163-1165. 1933. no.6.

House & Gard. (Greenwich, Conn.) (80H81)
Fox, H. M.
Thirty herbs to flavor our food and drink. House and Gard. 65(1): 44-45, 62, 64. illus. Ja. 1934.

Indian For. Rec. (99.8In22)
Bagchee, K.
Investigations on the infestation of Peridermium himalayense, Bagchee, on Pinus longifolia. II. Cronartium himalayense,n.sp., on Swertia spp. Distribution, morphology of the parasite, pathological study of the infection, biological relationship with the pine rust, and control. Indian For. Rec. v.18, no.11. 66 p. col.front., xviii pl. 1933.

Jardinage. (Paris) (80J282)
Davet, J.
Les polypores des arbres fruitiers. Jardinage 21(178): 20-23. illus. D. 1933.

Journ. Agr. Prat. (Paris) (14J82)
Lesourd, F.
Histoire des plantes. Journ. Agr. Prat. 97(2): 465-467. D.2, 1933. no.48.
L'ajonc (Ulex europaeus L.)

Journ. Bacteriol. (Baltimore) (448.3J82)
Slanetz, L. W. & Rettger, L. F.
A systematic study of the fusiform bacteria. Journ. Bacteriol. 26: 599-618. 2 pl. D.1933. no.6.

Journ. Bacteriol. (cont.)

Van Eseltine, G. P.

The gender of generic names of bacteria. Journ. Bacteriol. 26: 569-571. D.1933. no.6.

Journ. Bd. Greenkeep. Res. Brit. Golf Unions (Bingley, Yorks) (60.19B772)

Bennett, F. T.

Fusarium patch disease of bowling and golf greens. Journ. Bd. Greenkeep. Res. Brit. Golf Unions 3: 79-86. 1933. no.9.

F. nivale.

Dawson, R. B.

Common weeds of turf. 4. Journ. Bd. Greenkeep. Res. Brit. Golf Unions 3: 90-93. pl. 1933. no.9.

Lewis, I. G.

A greenkeeper's guide to the grasses. 2. The genus Festuca (concl.) Journ. Bd. Greenkeep. Res. Brit. Golf Unions 3: 94-98. pl. 1933. no.9.

Journ. Bot. (London) (450J82)

Baker, E. G.

Tropical African Leguminosae. Journ. Bot. 71: 339-342. D. 1933. no.852.

Mainly from Tanganyika.

Exell, A. W.

Correct botanical name of the Luffa sponge. Journ. Bot. 71: 352. D. 1933. no.852.

Luffa aegyptiaca.

Nicholson, W. E.

Frullania tamarisci (L.) Dum. var. nov. schiffneri. Journ. Bot. 71: 347-348. D.1933. no.852.

Rendle, A. B.

Pentandrous form of Orchis mascula L. Journ. Bot. 71: 352-354, illus. D. 1933. no.852.

Stearn, W. T.

Notes from the university herbarium, Cambridge. Some Chinese species of Epimedium. Journ. Bot. 71: 343-347. D. 1933. no.852.

Watson, W.

Lichenological notes. VII. Journ. Bot. 71: 327-338. illus. D.1933. no.852.

Thrombium cretaceum n.sp.

Journ. Bot. (cont.)
Wolley-Dod, A. H.
The Markwick manuscripts. Journ. Bot. 71: 348-351. D. 1933. no.852.
Bibliographical notes XCIX.

Journ. Cell. & Comp. Phys. (Philadelphia) (444.8J822)
Henshaw, P. S. & Francis, D. S.
Growth rate and radiosensitivity in Triticum vulgare. Journ. Cell. & Comp. Phys. 4: 111-122. D.20, 1933. no.1.

Journ. Chem. Soc. London (382L84J)
Blount, B. K.
The colouring matter on the stems of the tomato. Journ. Chem. Soc. London 1933: 1528-1529. N. 1933.
Rutin.

Journ. Dept. Agr. Kyushu Imp. Univ. (Fukuoka, Japan) (107.6K995)
Kosaka, H.
Die beziehungen zwischen den verschiedenen physiologischen erscheinungen der pflanzen und den in verschiedenen vegetationsorganen in erscheinung tretenden farbstoffen. V. Ueber die beziehungen zwischen dem dasein des anthocyanfarbstoffes und der transpiration bei einigen kulturpflanzen. Journ. Dept. Agr. Kyushu Imp. Univ. 4: 95-126. N.10, 1933. no.2.

Journ. Econ. Entom. (Geneva, N.Y.) (421J822)
Driggers, B. F.
Fruit injury on apples following nicotine tannate sprays. Journ. Econ. Ent. 26: 1137-1139. D. 1933. no.6.

Journ. Hered. (Washington) (442.8Am3)
Robinson, T. R.
The origin of the Marsh seedless grapefruit. Journ. Hered. 24: 437-439. N.1933. no.11.

Journ. Min. Agr. Gt. Brit. (10G79J)
Cheal, W. F.
Apple scab spraying experiments in the Wisbech area: The times of application. II. Journ. Min. Agr. Gt. Brit. 40: 805-808. D.1933. no.9.

Journ. Washington Acad. Sci. (500W276J)

Andrus, C. F.

Sex and accessory cell fusions in the Uredineae. Journ. Washington Acad. Sci. 23: 544-557. illus. D.15, 1933. no.12.

Kearney, T.H.

A new Gossypium of Lower California. Journ. Washington Acad. Sci. 23: 558-560. D.15, 1933. no.12.

Gossypium armourianum.

Kakteenk. Deut. Kakteen-Ges. (451D482)

Bödeker, F.

Mammillaria leucantha Böd., sp.n. Kakteenk. Deut. Kakteen-Ges. 1933: 233-234. illus. no.12.

Liebe, C.

Die einwirkungen der hormone auf pflanzen besonders kakteen. Kakteenk. Deut. Kakteen-Ges. 1933: 228-230. no.12.

Tiegel, E.

Mammillaria calacantha Tieg. sp.n. 1933. Kakteenk. Deut. Kakteen-Ges. 1933: 232-233. illus. no.12.

Kartoffel, Zeitschr. Kartoffelbauges. (Berlin) (75.8K142)

Trümpener, E.

Die blattrollkrankheit. Kartoffel, Zeitschr. Kartoffelbauges. 13: 210-213. D.1, 1933. no.23.

Kisérl. Közlem. (Bull. Stat. Agron. Hongr.) (Budapest)

Galgóczy, N. v. (105.9H89)

A büza kalászjellegének keresztezés utáni öröklése. (Die spaltung und vererbung einiger weizenährenmerkmalen bei kreuzungen) Kisérl. Közlem. (Bull. Stat. Agron. Hongr.) 36: 45-54. illus. Ja./Je. 1933. no.1/3.

German summary: p.54.

Herke, S.

A sziki mézpázsit (Atropis limosa) jelentösége a szódás talajok gyepesítésénél és az Atropis gyepek feljavítása. (Die bedeutung des Atropis limosa bei wiesen u. weiden an sodaböden und ihre verbesserung.) Kisérl. Közlem. (Bull. Stat. Agron. Hongr.) 36: 23-44a. illus. Ja./Je. 1933. no.1/3.

German summary: p.44a.

Kisérl. Közlem. (Bull. Stat. Agron. Hongr.) (cont.)

Komlóssy, G.

Adotok a dohánybetegségek elleni védekezési eljárások ismeretéhez. (Beiträge zur erkenntnis von bekämpfungs-verfahren gegen tabakkrankheiten). I. Kisérl. Közlem. (Bull. Stat. Agron. Hongr.) 36: 134-163. illus. Ja./Je. 1933. no.1/3.

German summary: p.162-163.

I. Vergleichende versuche über die physiologischen wirkungen von quecksilver enthaltenden beizmittel auf tabaksamen und durch den samen sich verbreitenden krankheitserreger.

Urbányi, J.

Fagyás, baktérium, penészgomba, vagy májfoltosság -e az, ami az elraktározott almákat károsítja? (Has the damage observed on stored apples been caused by frost, bacteria, mould-fungi or "freckle"?) Kisérl. Közlem. (Bull. Stat. Agron. Hongr.) 36: 163-171. illus. Ja./Je. 1933. no.1/3.

English summary: p.169.

Kranke Pflanze (Dresden) (464.8K86)

Müller, K.

Einiges überkartoffelkrankheiten. Kranke Pflanze 10: 56-57. illus. Ap.1933. no.4.

Zöppig, F.

Die mistel (Viscum album L.), ein pflanzenschädling. Kranke Pflanze 10: 59-62. illus. Ap. 1933. no.4.

Landw. Versuchsst. (Berlin) (105.8L23)

Minssen, H.

Das ansehnliche mannagras oder der wasserschwaden (Glyceria spectabilis), eine stark blausäurehaltige grasart. Landw. Versuchsst. 117: 279-312. 1933. no.5/6.

Missouri Bot. Gard. Bull. (St. Louis) (89M69B)

Moore, J. A.

Remarkable aerial roots of a tropical grape vine. Missouri Bot. Gard. Bull. 21: 139-140. pl.38-39. D.1933. no.10.

With plate showing prop-roots of Pandanus sanderae.

"Grape" unnamed.

Pring, G. H.

Dendrobium superbiens, a natural hybrid (D. phalaenopsis x D.undulatum). Missouri Bot. Gard. Bull. 21: 142-144. pl.41-42. D.1933. no.10.

Kisérl. Közlem. (Bull. Stat. Agron. Hongr.) (cont.)

Komlóssy, G.

Adotok a dohánybetegségek elleni védekezési eljárások ismeretéhez. (Beiträge zur erkenntnis von bekämpfungs-verfahren gegen tabakkrankheiten). I. Kisérl. Közlem. (Bull. Stat. Agron. Hongr.) 36: 134-163. illus. Ja./Je. 1933. no.1/3.

German summary: p.162-163.

I. Vergleichende versuche über die physiologischen wirkungen von quecksilver enthaltenden beizmittel auf tabaksamen und durch den samen sich verbreitenden krankheitserreger.

Urbányi, J.

Fagyás, baktérium, penészgomba, vagy májfoltosság -e az, ami az elraktározott almákat károsítja? (Has the damage observed on stored apples been caused by frost, bacteria, mould-fungi or "freckle"?) Kisérl. Közlem. (Bull. Stat. Agron. Hongr.) 36: 163-171. illus. Ja./Je. 1933. no.1/3.

English summary: p.169.

Kranke Pflanze (Dresden) (464.8K86)

Müller, K.

Einiges überkartoffelkrankheiten. Kranke Pflanze 10: 56-57. illus. Ap.1933. no.4.

Zöppig, F.

Die mistel (Viscum album L.), ein pflanzenschädling. Kranke Pflanze 10: 59-62. illus. Ap. 1933. no.4.

Landw. Versuchsst. (Berlin) (105.8L23)

Minssen, H.

Das ansehnliche mannagras oder der wasserschwaden (Glyceria spectabilis), eine stark blausäurehaltige grasart. Landw. Versuchsst. 117: 279-312. 1933. no.5/6.

Missouri Bot. Gard. Bull. (St. Louis) (89M69B)

Moore, J. A.

Remarkable aerial roots of a tropical grape vine. Missouri Bot. Gard. Bull. 21: 139-140. pl.38-39. D.1933. no.10.

With plate showing prop-roots of Pandanus sanderae.

"Grape" unnamed.

Pring, G. H.

Dendrobium superbiens, a natural hybrid (D. phalaenopsis x D.undulatum). Missouri Bot. Gard. Bull. 21: 142-144. pl.41-42. D.1933. no.10.

Ohio Journ. Sci. (Columbus) (4100h3)

Gordon, R. B.

A unique raised bog at Urbana, Ohio. Ohio Journ. Sci. 33: 453-459. pl. N. 1933. no.6.

Watson, A. N.

Preliminary study of the relation between thermal emissivity and plant termperatures. Ohio Journ. Sci. 33: 435-450. N. 1933. no.6.

Mitt. Bot. Mus. Univ. Zürich (451Z82)

Schmid, E.

Beiträge zur flora der insel Sardinien. Reprinted from Vierteljahrsschr. Naturf. Ges. Zürich v.78, p. 232-255. as Mitt. Bot. Mus. Univ. Zürich CXLVI. N.16, 1933.

Möller's Deut. Gärtn.-Zeit. (Erfurt) (80M73)

Tiegel, E.

Neue mexikanische kakteen. Möller's Deut. Gärtn.-Zeit. 48: 397-398, 412-413. illus. D.11, 1933.

Species of Mammillaria & Stenocactus ochotereanus.

Nachrichtenbl. Deut. Pflanzenschutzd. (Berlin) (464.9N11)

Goffart, H.

Nematodenforschung und pflanzenschutzgesetzgebung. Nachrichtenbl. Deut. Pflanzenschutzd. 13: 105. D. 1933. no.12.

Nature (London) (472N21)

Bond, C. J.

Types of foliage of yews. Nature 132: 858-859. illus. D.2, 1933. no.3344.

Bristowe, W. S.

The new volcanic island, Krakatoa. Nature 132: 860. D.2, 1933. no.3344.

Duncan, F. M.

Disappearance of Zostera marina. Nature 132: 483. S.23, 1933. no.3334.

Possibly affected by oil waste from ships.

How long do seeds retain their vitality? Nature 132: 469-470. S.23, 1933. no.3334.

Nature (cont.)

Navashin, M. & Shkvarnikov, P.

Process of mutation in resting seeds accelerated by increased temperature. Nature 132: 482-483. S.23, 1933. no.3334.

Seeds of Crepis tectorum.

Nature Mag. (Washington) (409.6N214)

Hutchins, R. E.

Wood-of-the-bow. A tree of historic interest and economic value. Nature Mag. 23: 38-39. illus. Ja.1934. no. 1.

Osage orange, a source of dye.

New Zeal. Journ. Agr. (Wellington) (23N48J)

Allan, H. H.

Notes on recently observed exotic weeds.5. Water purslane and primrose willow. New Zeal. Journ. Agr. 47: 311-313. illus. N.20, 1933. no.5.

Levy, E. B.

Strain development in herbage plants. New Zeal. Journ. Agr. 47: 273-277. N.20,1933. no.5.

Tennent, R. B.

The Bruce club-root resistant turnip. New Zeal. Journ. Agr. 47: 297-301. N.20, 1933. no.5.

Experiments and farmer's trials in Otago-Southland.

New Zeal. Journ. Sci. & Techn. (Wellington) (514N48)

Askew, H. O.

Determination of hydrocyanic acid in white clover. New Zeal. Journ. Sci. & Techn. 15: 227-233. N. 1933. no.3.

Clark, A. F.

The horntail borer and its fungal association. New Zeal. Journ. Sci. & Techn. 15: 188-190. N. 1933. no.3.

Probably Stereum sanguinolentum.

Cranwell, L. M.

A new locality for Xeronema callistemon. New Zeal. Journ. Sci. & Techn. 15:234-236. illus. N. 1933. no.3.

Taranga, or Hen Island, 15 mi. south-east of Whangarei Heads, New Zealand.

New Zeal. Journ. Sci. & Techn. (cont.)
Rigg, T., Askew, H. O. & Kidson, E. B.
Occurrence of cyanogenetic glucosides in Nelson pasture plants. New Zeal. Journ. Sci. & Techn. 15: 222-227. N. 1933. no.3.

Obst- u. Gemüseb. (Berlin) (80P7750)
Branscheidt, P.
Zur frage der pollenübertragung bei fremdbestäubung. Obst- u. Gemüseb. 79: 167-169. illus. N.15, 1933. no.11.

Occas. Papers Bern. P. Bishop Mus. (500B450)
Caum, E. L.
Notes on Pteralyxia. Occas. Papers Bern. P. Bishop Mus. v.10, no.8. 24 p. incl.14 pl.,map. Mr.25, 1933.
P. kauaiensis n.sp.

Ohio Journ. Sci. see p. 17

Perfum. & Essent. Oil Rec. (London) (308.8P41)
Freise, F. W.
Odoriferous woods from the Braxilian virgin forest. I. Perfum. & Essent. Oil Rec. 24:375-376. N.1933. no.11.

Pharm. Zentralh. (Dresden) (396.8P492)
Berger, F. & Müller, E.
Interessante heilpflanzen der Sunda-Inseln. Pharm. Zentralh. 74: 739-742. illus. N.30, 1933. no.48.

Phillipp. Agr. (Los Baños) (25P542)
Maceda, F. S.
A study of coconut seedlings in relation to shape of the nuts. Phillipp. Agr. 22:430-441. illus. N. 1933. no.6.

Ocfemia, G. O., Hurtado, E. A. & Hernandez, C. C.
Distribution of mosaic and Fiji diseases in sugar cane stalks; effects of these maladies on the germination of the eyes and transmission of the viruses by pin pricks. Phillipp. Agr. 22: 385-407. illus. N. 1933. no.6.

Padilla, S. P. & Soliven, F. A.
Chemical analysis for possible sources of oils of forty-five species of oil-bearing seeds. Philipp. Agr. 22:408-415. N. 1933. no.6.

Queensl. Agr. Journ. (Brisbane) (23Q33)
Mandelson, L. F.
Frog eye leaf spot and barn spot of tobacco.
Queensl. Agr. Journ. 40: 401-408. illus.
N.1, 1933. no.5.

Morwood, R. B.
Potato diseases. Queensl. Agr. Journ.
40: 382-395. illus. N.1, 1933. no.5.

White, C. T.
The Noogoora burr (Xanthium pungens). A weed
poisonous to livestock. Queensl. Agr. Journ.
40: 413. pl.121. N.1, 1933. no.5.

Rapp. Fonct. Inst. Rech. Agron. France (105.3F84)
France. Ministère de l'agriculture - Institut
des recherches agronomiques.
Phytopathologie In its Rapport sur le
fonctionnement 1932: 388-420. 1933.

Relaz. e Monogr. Agr.-Colon. Ist. Agr. Colon. Ital. (Firenze)
(16Is7)
Vivoli, G.
I datteri del Fezzan (Primo contributo alla conoscenza del Fezzan). Relaz. e Monogr. Agr.-Colon.
Ist. Agr. Colon. Ital. no.27. 44 p. illus. 1933.

Rev. Bot. Appl. (Paris) (26R323)
Aubréville, A.
L'arbre à lépre des guérés (Cote d'Ivoire)
Act. Compt. Rend. Assoc. Colon.-Sci. (With Rev.
Bot. Appl. v.13,no.143) 9: 151-153. illus.
Jl. 1933. no.97.
Not Cynometra vogelii as identified by
Chevalier, but Loesenera kalantha.

Chevalier, A.
Scilles à bulbes comestibles ou vénéneux.
Rev. Bot. Appl. 13: 469-471. Jl. 1933. no.143.

Emmerez de Charmoy, D. d' & Guézé, P.
Situation actuelle de la mosaïque à la Réunion.
Rev. Bot. Appl. 13: 495-499. Jl. 1933. no.143.

Martineau,
Note sur les Lophira de forêt et de Savane.
Rev. Bot. Appl. 13: 467-469. illus. Jl.1933.
no.143.
L. procera, L. alata.

Rev. Bot. Appl. (cont.)

Normand, D.
Les bois de myristicacées du Gabon. Rev. Bot. Appl. 13: 471-479. pl.vi. Jl.1933. no.143.

Raucourt, M.
Les plantes à roténone. Rev. Bot. Appl. 13: 499-502. Jl. 1933. no.143.

Roberty, G.
Notes au sujet de l'alfa et de quelques plantes affines. (concl.) Act. Compt. Rend. Assoc. Colon.-Sci. (with Rev. Bot. Appl. v.13, no.143) 9: 154-156. Jl. 1933. no.143.

Tanaka, T.
Acclimatation des citrus hors de leur pays d'origine(cont.) Rev. Bot. Appl. 13: 480-494. Jl. 1933. no.143.
Traduit par J. Galy-Carles.

Rev. Gén. Bot. (Paris) (450R326)

Famin, A.
Action de la température sur les végétaux. IV. Les végétaux vivant dans les eaux naturellement à températures élevées. Rev. Gén. Bot. 45: 574-595. N. 1933. no.539.

Guilliermond, A.
Recherches cytologiques sur les pigments anthocyaniques et les composés oxyflavoniques. (cont.) Rev. Gén. Bot. 45: 596-619. illus. N.1933. no.539.

Rev. Path. Vég. & Entom. Agr. (Paris) (464.9Sol)

Charpentier, C.
Maladie des arbres (suite). Rev. Path. Vég. & Entom. Agr. 20: 254-255. O. 1933. no.8.
Loupes, broussins.

Dusseau, A.
Observations phytopathologiques dans la Drôme en 1933. Rev. Path. Vég. & Entom. Agr. 20: 252-254. O.1933. no.8.

Guyot, A. L.
Observations sur la distribution géographique comparée de quelques espèces végétales et de certains de leurs parasites naturels. 3. note. Rev. Path. Vég. & Entom. Agr. 20: 271-279. O. 1933. no.8.

Rev. Path. Vég. & Entom. Agr. (cont.)

Picado, C.

Colletotrichum des caféiers et lésions radiculaires. Rev. Path. Vég. & Entom. Agr. 20: 268-270. O. 1933. no.8.

Viennot-Bourgin, G.

Contribution à l'étude des Urédinales de Seine-et-Oise. 6. note. De quelques Urédinales rares ou nouvel les observées dans le départment de Seine-et-Oise. Rev. Path. Vég. & Entom. Agr. 20: 280-288. pl. vii. O.1933. no.8.

Riv. Patol. Veg. (Pavia) (464.8R52)

Lindegg, G.

Un deperimento dei ciliegi. Riv. Patol. Veg. 23: 347-356. illus. S./O. 1933. no.9/10.

Minerbi, G.

Ancora sulla morte dell'apice vegetative del germoglio principale nelle piante di frumento. Riv. Patol. Veg. 23: 357-361. illus. S./O. 1933. no.9/10.

Preti, G.

Moria delle piantine di Pinus australia per fusariosi. Riv. Patol. Veg. 23: 363-369. illus. S./O. 1933. no.9/10.

F. roseum.

Preti, G.

Sulla ticchiolatura dei frutti del sorbo domestico, Sorbus domestica. Riv. Patol Veg.

Fusicladium dendriticum var.sorbinum.

Science (470Sci2)

Hurd-Karrer, A. M.

Inhibition of selenium injury to wheat plants by sulfur. Science 78: 560. D.15, 1933. no.2033.

Elemental sulfur as well as ammonium sulfate completely inhibited visible injury to wheat plants in soils to which sodium selenate was added.

Scient. Agr. (Ottawa) (7Sci2)

Gordon, W. L.

A study of the relation of environment to the development of the uredinial and telial stages of the physiologic forms of Puccinia graminis avenae Erikss. and Henn. Scient. Agr. 14: 184-237. pl.i-v. D. 1933. no.4.

Scient. Month. (470Sci23)

Wherry, E. T.

Exploring for plants in the southeastern states. Scient. Month. 38: 80-85. illus. Ja. 1934. no.1.

Sitzungsb. Akad. Wiss. Wien. Math.-Naturw. Kl. Abt. IIb. (510V67)

Koller, G. & Pfeiffer, G.

Ueber enzyme der flechten und über die konstitution der umbilikarsäure. Sitzungsb. Akad. Wiss. Wien, Math.-Naturw. Kl. Abt. IIb 142: 165-178. 1933. no.3/4.

Schmid, L. & Haschek, L.

Der gelbe dahlienfarbstoff. Sitzungsb. Akad. Wiss. Wien. Math.-Naturw. Kl. Abt.IIb, 142: 123-128. illus. 1933. no.3/4.

Soil Sci. (Baltimore) (56.8So3)

Mowry, H.

Symbiotic nitrogen fixation in the genus Casuarina. Soil Sci. 36: 409-421. pl. D. 1933. no.6.

South. Flor. (Fort Worth, Tex.) (80So86)

Milford, J. W.

Lighted house plants open profitable new field to florists. South. Flor. 36(12): 6-7. illus. D.22, 1933.

Sovetsk. Botanika (450So8)

Alechin, V. V. & Uranov, A. A.

Metodika issledovaniia stepeĭ [Methods for investigation of the steppes] Sovetsk. Botanika 2: 45-66. illus., 3 pl. 1933.

Russian.

Sovetsk. Botanika (cont.)

Keller, B. A.

Ob izuchenii zhiznennykh form pri geobotanicheskikh issledovanii͡akh [On the study of life forms in geobotanical research] Sovetsk. Botanika 2: 39-44. 1933.

Russian.

Keller, B. A. & others.

Ocherki po ekologii rasteniĭ [Sketches of ecology of plants] Sovetsk. Botanika 2: 5-38. illus. 1933.

Russian.

In 8 pts., III, by E.F. Keller-Leisle, IV, by F.F. Leisle, V, by K. Shaparenko, VI-VII, by U. Azizova. III, deals with Gypsophila & Linaria, IV, with species of Quercus, V, Acacia melanoxylon, VI, Laurus nobilis.

Keller, B. A.

Pami͡ati Andrei͡a I͡akovlevich Gordi͡agina. Sovetsk. Botanika 2: 124-128. port. 1933.

Died Ja.15,1932, at 67 years of age.

Korchagin, A. A.

Ob osnovnykh poni͡atii͡akh tundrovedenii͡a [Basic conception of the study of the tundra]. Sovetsk. Botanika 2: 67-74. 1933.

Russian.

Kuz'menko, A. A.

K metodike vegetatsionnogo opyta v svi͡azi s issledovaniiami zasukhoustoĭchivosti rasteniĭ [A method of vegetational experiments in connection with investigations of drought resistant plants] Sovetsk. Botanika 2: 78-85. illus. 1933.

Russian.

Shiffers-Rafalovich, E. F.

K voprosu o khozi͡aĭstvennom znachenii i͡avleniĭ zonal'nosti [On the question of the economic significance of zonal occurrences] Sovetsk. Botanika 2: 74-78. 1933.

Russian.

Shishkin, B. K.

Pami͡ati Porfirii͡a Nikiticha Krylova. Sovetsk. Botanika 2: 129-132. port. 1933.

Succulenta (Leeuwarden) (450Sul)

Backeberg, C.

Vierde brief van den cactusjager. (1,3). Succulenta 15: 193-195, 213-217. port. O., D. 1933. no.10,12.

Bertram, P.

Bryophyllum tubiflorum en Br. daigremontianum. (Twee bekoorlije kamerplanten). Succulenta 15: 219-222. illus. D. 1933. no.12.

Houten, J. M. van den

Adromischus. Succulenta 15: 223-230. illus. D.1933. no.12.

K. Svenska Vetenskapsakad. Årsbok (Stockholm)

Rosenberg, O.

Askokarp-utvecklingen hos Humaria aggregata (B. et Br.) Sacc. K. Svenska Vetenskapsakad. Årsbok 1933: 345-357. illus., pl.12.

English summary.

La Terre et la Vie (Paris) (410T27)

Chevalier, A.

Deux cyperacées arbustiformes remarquables de l'Ouest Africain. La Terre et la Vie 3: 131-141. illus. Mr.1933(Rec'd D.) no.3.

Eriospora pilosa, Microdracoides squamosus.

Hedin, L.

Observations sur la végétation des bords lagunaires dans la région de Grand-Bassam et de Bingerville (Côte-d'Ivoire). La Terre et la Vie 3: 596-609. illus. O. 1933 (Rec'd D.) no.10.

Jahandiez, E.

Vieux arbres remarquables du Maroc. La Terre et la Vie 3: 207-213. illus. Ap. 1933. no.4.

La Terre Maroc. (Rabat) (24T44)

Miege, E.

Les plantes fourragères du Maroc. (cont.) La Terre Maroc. 3(45): 29-38. illus. D.1, 1933.

Trans. Bot. Soc. Edinb. (451Ed4T)

Brown, T. W.

The cytology of Lonicera deflexicalyx Bat. Trans. Bot. Soc. Edinb. 31: 322. 1933. no.2.

Trans. Bot. Soc. Edinb. (cont.)

Clark, W. A.
Vegetative propagation in Cotoneaster. Trans. Bot. Soc. Edinb. 31:256-261. pl.iv-v. 1933. no.2.

Graham, R. J. D.
Stem cuttings in Ephedra. Trans. Bot. Soc. Edinb. 31: 245-246. pl. iii. 1933. no.2.

Lauder-Thomson, I.
The nodal anatomy of Spartina townsendii. Trans. Bot. Soc. Edinb. 31: 262-268. illus. 1933. no.2.

McMartin, A.
Propagation from the leaf of Acanthus. Trans. Bot. Soc. Edinb. 31: 298-314. illus. 1933. no.2.
A. montanus.

McMartin, A.
The root system of Acanthus. Trans. Bot. Soc. Edinb. 31: 272-297. 1933. no.2.

Nelson, A. & Macsween, J. C.
Hard seeds and broken seedlings in red clover (Trifolium pratense. IV. Early stages of germination (Physical) Trans. Bot. Soc. Edinb. 31: 247-255. illus. 1933. no.2.

Orr. M. Y.
Abnormal larch cones. Trans. Bot. Soc. Edinb. 31: 269-271. illus. 1933. no.2.

Trans. Roy. Canad. Inst. (517T63T)

Bell, G. S.
List of the larger fungi, Toronto region. Trans. Roy. Canad. Inst. 19: 275-299. S. 1933. no.2.

Hurst, B., sr.
Flowering plants and ferns of Prince Edward Island. Trans. Roy. Canad.Inst. 19: 251-273. S. 1933. no.2.

Umschau (Frankfurt) (474Um7)

Stapp, C.
Der bakterielle pflanzenkrebs und ungeeignete verfahren zu seiner bekampfung. Die Umschau 37: 978-980. illud. D.9, 1933. no.50.

U.S. Dept. Agr. Techn. Bull. (1Ag84Te)
King, C. J.
Effects of stress conditions on the cotton plant in Arizona. U.S. Dept. Agr. Techn. Bull. 392. 34 p. illus. N.1933.

Univ. Calif. Publ. Bot. (Berkeley) (500C125B)
Setchell, W. A. & Gardner, N.L.
A preliminary survey of Gigartina, with special reference to its Pacific North American species. Univ. Calif. Publ. Bot. 17:255-339. pl.46-65. 1933. no.10.

Virginia Fruit. (81V81B)
Hurt, R. H.
Control peach leaf curl. Virginia Fruit 20: 6-8. D. 1932. no.12.

Wingard, S. A.
Bitter pit of apples. Virginia Fruit 20: 8-10. illus. D. 1932. no.12.

Zeitschr. Bot. (Jena) (450Z32)
Oehlkers, F.
Vererbungsversuche an Oenotheren. V.Crossing over bei Oenothera. Zeitschr. Bot. 26: 385-429. illus. 1933. no.8.

Zentralbl. Bakt. Abt.II. (Jena) (448.3C33)
Beyma thoe Kingma, F. H. van
Beschreibung einiger neuer pilzarten aus dem Centraalbureau voor schimmelcultures, Baarn (Holland) II. Zentralbl. Bakt. Abt.II, 89: 236-243. illus. N.23, 1933. no.8/12.
Trigonia bambusae, Cryptomela acutispora, Cephalosporium tabacinum, Chloridium crateriforme, Oospora egyptiaca n.spp.

Bergenthal, W.
Untersuchungen zur biologie der wichtigsten deutschen arten der gattung Stereum. Zentralbl. Bakt. Abt.II. 89: 209-236. illus. N.23, 1933. no.8/12.

Kiessling, L. E.
Wachstumsverlauf von actinomycetenstammen und seine quantitative bestimmung auf verschiedenem kartoffelnahrsubstrat. Zentralbl. Bakt. Abt.II, 89: 177-196. N.23, 1933. no.8/12.

Zentralbl. Bakt. Abt.II. (cont.)

Zach, F.
Beobachtungen uber Mucor botryoides Lendner. Zentralbl. Bakt. Abt.II, 89: 196-200. illus. N.23, 1933. no.8/12.

Expt. Stat. Publ.

Brown, J. G. & Evans, M. M.
A Phytophthora rot of watermelon. Arizona Agr. Exp. Stat. Techn. Bull. 51: 45-65. iv pl. O.1, 1933 (100Ar4)
P. cactorum.

Kreutzer, W. A. & Durrell, L. W.
Collar rot of tomatoes. Colorado Agr. Exp. Stat. Bull. 402. 12 p. illus. Ag. 1933. (100C71S)

Reddy, C. S.
Resistance of Dent corn to Basisporium gallarum Moll. Iowa Agr. Exp. Stat. Res. Bull. no.167. 40 p. illus. N.1933. (100Io9)

Cathcart, C. S. & Willis, R. L.
Analyses of materials sold as insecticides and fungicides during 1933. New Jersey Agr. Exp. Stat. Bull. 556. 18 p. O. 1933(100N46S)

New Books

Aiken, G. D.
Pioneering with wildflowers. Putney, Vt., The author, 1933. (97.12Ai4)

Bean, W. J.
Trees and shrubs hardy in the British Isles. v.3. London, J. Murray, 1933 (458B37)

Cooney, L. M.
Garden history of Georgia. Atlanta, Ga., The peachtree garden club, 1933 (97C78)

Mills, F. W.
An index to the genera and species of Diatomaceae and their synonyms... 1816-1932. 6 pt. London, Wheldon & Wesley, 1933 (461.44M621)

Morgan, T. H.
The scientific basis of evolution. N.Y., W.W. Norton, 1932. (443M82S)

New Books (cont.)

Small, J. K.

Manual of the southeastern flora... N.Y., The author, 1933 (455.5Sm1M)

In part supplants the author's Flora of the southeastern United States.

Smith, K. M.

Recent advances in the study of plant viruses London, J. & A. Churchill, 1933 (464.32Sm6)

Stern, K.

Pflanzen-thermodynamik. Berlin, J. Sprenger, 1933 (Monographien aus dem gesamtgebiet der physiologie der pflanzen und der tiere 30. bd.) (463.34St4)

Tschirch, A. & Stock, E.

Die harze; die botanischen und chemischen grundlagen unserer kenntnisse über die bildung, die entwicklung und die zusammensetzung der pflanzlichen exkrete... 3. umgearb. aufl. von A. Tschirch, Die harze und die harzbehälter.. v.1, Berlin, Borntraeger, 1933. (387.1T78)

Wilson, C. L.

An introduction to plant science. [Hanover, N.H.] 1933. (463W69)

Mimeographed.

Non-current indexing.

Journ. Tenn. Acad. Sci. (500T25A)

McClintock, J. A.

New rusts of red cedar and their relation to apple culture in Tennessee. Journ. Tenn. Acad. Sci. 7: 37-40. illus. Ja. 1932. no.1.

Underwood, J. K.

A study of the Cyperaceae of Tennessee. Journ. Tenn. Acad. Sci. 7: 65-119. illus. Ap.1932. no.2.

Kolloid-Zeitschr. (Dresden) (384Z315)

Hahn, F. V. v.

Studies über schleimoberflächen. I-III. Kolloid-Zeitschr. 59: 130-135. illus. My.1932; 60: 247-253. S.1932; 61: 222-234. N.1932. no.2,3; 2.

Medd. K. Landbruksakad. Skogs- o. Trädgärdsavd. (104Sw35)
Odén, S.

Växtodling i elektrisk ljus. (Plant growth in electric light) Medd. K. Landtbruksakad. Skogs- o. Trädgärdsavd. 1. 161 p. illus. 1929.

English summary: p.135-138.

Filed out of place.

Amer. Journ. Bot. (450Am36)
Miller, L. P.

Effect of manganese deficiency on the growth and sugar content of plants. Amer. Jour. Bot. 20: 621-631. illus. D.1933. no.10.

Bennett, J. P. & Oserkowsky, J.

Copper and iron in the tracheal sap of deciduous trees. Amer. Journ. Bot. 20: 632-637. diagrs. D. 1933. no.10.

Panshin, A. J.

Comparative anatomy of the woods of the Meliaceae, sub-family Swietenioideae. Amer. Journ. Bot. 20: 638-660. pl.37-48. D. 1933. no.10.